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3 July 2007

Mr. David Bacharowski
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Subject: Results of Groundwater Sampling for Total Chromium, Hexavalent Chromium and 1,4-Dioxane
13500 Paxton Street, Pacoima, California
(EKI A20034.03)

Dear Mr. Bacharowski:

This report summarizes results of grab groundwater sample analyses recently completed for samples collected at 13500 Paxton Street, in Pacoima, California ("Site") for total chromium, hexavalent chromium, and 1,4-dioxane. Second quarter 2007 groundwater monitoring data for these compounds is also presented herein to provide a complete data set of current Site conditions for these compounds. Complete quarterly monitoring data will be presented in the forthcoming quarterly report due in July 2007. The current grab groundwater investigation was proposed in EKI's *Work Plan for Additional Groundwater Investigation ("Work Plan")*, dated 6 March 2007 and approved with conditions by the California Regional Water Quality Control Board, Los Angeles Region ("RWQCB") in a letter dated 30 March 2007.

This report provides the sampling results for twelve of fourteen planned temporary wells. The locations for the remaining two planned temporary wells, which will be located near the intersection of Sutter Avenue and Louvre Street, are proposed herein.

FIELD INVESTIGATION

The field investigation consisted of the installation and sampling of groundwater from twelve temporary wells (PPGW-1 through PPGW-12). Soil boreholes were drilled using hollow stem auger equipment by Test America Drilling Corporation of Anaheim, California to a minimum depth of 10 feet below the observed water table. Temporary PVC casing and approximately 15-feet of 0.02-inch slotted PVC well screen were placed in the borehole with the well screen extending upward across the water table. Filter pack consisting of #3 sand was then emplaced from the bottom of the well screen to approximately six inches above the screen interval. To allow subsurface conditions to stabilize, development and sampling of the temporary well was performed a minimum of 48 hours following temporary well installation. To development the temporary wells, a positive air displacement pump was installed in the temporary well and a minimum of 50 gallons (i.e., approximately 25 to 55 well casing volumes) of water was purged at a rate

of approximately one to two gallons per minute ("gpm"). The pump intake depth was adjusted during pumping to remove water from throughout the submerged well screen length to remove water disturbed by drilling activities. The temporary wells were sampled using a bladder pump and flow rate of less than 500 milliliters per minute in accordance with low flow groundwater sampling procedures. Well development and sampling activities were conducted by Blaine Tech Services, Inc. of Carson, California. Borehole logs are presented in Attachment A. Field methods and procedures for collection of the grab groundwater sampling were consistent with the methods and procedures described in the Work Plan. Well development and purging and sampling forms are provided in Attachment B.

In addition to the planned groundwater sampling described in the Work Plan as approved, two temporary wells (Grab-1 and Grab-2) were installed in January 2007 and sampled to assist with determination of the preferred sampling method for collecting representative groundwater samples from temporary wells. The two temporary wells were installed adjacent to existing wells MW-6 (adjacent to Grab-1) and PMW-38 (adjacent to Grab-2). Prior to development and sampling, wells were allowed to stabilize for 24 hours. Wells were developed using a positive air displacement pump. Samples from these locations were collected using a Grunfos rotary turbine pump with low-flow sampling technique, and using a bailer. Hexavalent chromium results for locations Grab-1 and Grab-2 were 0.57 micrograms per liter ("ug/L") and 840 ug/L, respectively, using the low-flow sampling method; and <0.20 ug/L and 750 ug/L, respectively, using a bailer. The hexavalent chromium results for groundwater samples from wells MW-6 and PMW-38, which were collected using the low-flow sampling method, were 16 ug/L and 1,400 ug/L, respectively. The low-flow sampling method was selected for this investigation. Analytical laboratory results for the Grab-1 and Grab-2 are included in Attachment C, but are not presented in Table 1 or shown on Figure 1.

Grab groundwater samples collected in April 2007 were analyzed by Calscience Environmental Laboratories, Inc. ("Calscience") of Garden Grove, California, for the following:

- Chromium using EPA Method 200.8,
- Hexavalent chromium using EPA Method 218.6, and
- 1,4-dioxane using EPA Method 8270C (M) with isotope dilution.

A split groundwater sample was collected at each groundwater location for potential analysis of 1,4-dioxane. Select split samples were submitted to K-PRIME, INC. ("K-Prime") in Santa Rosa, California for confirmation of 1,4-dioxane results. K-Prime analyzed 1,4-dioxane using EPA Method 8270C (M) without isotope dilution. In addition, as requested by the RWQCB, samples collected from locations PPGW-1, PPGW-7, and PPGW-11 were analyzed for volatile organic compounds ("VOCs"). VOC analytical results for grab groundwater analyses were presented in a separate report with

other VOC data[1]. Analytical laboratory reports for grab groundwater sampling summarized herein are provided in Attachment C.

Results for samples collected from permanent Site monitoring wells and analyzed for total chromium, hexavalent chromium, and 1,4-dioxane for the second quarter monitoring event conducted in April 2007 are also presented herein. Analytical laboratory reports for quarterly monitoring data will be included in the forthcoming routine quarterly monitoring report.

RESULTS OF GROUNDWATER SAMPLING FOR TOTAL CHROMIUM, HEXAVALENT CHROMIUM AND 1,4-DIOXANE

Grab groundwater sampling locations and existing monitoring well locations are shown on Figures 1 and 2. The results of groundwater sampling are discussed below.

Hexavalent Chromium and Total Chromium Results

Hexavalent chromium concentrations detected in groundwater samples are shown on Figure 1 and included in Table 1. Hexavalent chromium was detected in 7 of the 12 grab groundwater locations at a concentration above 50 ug/L, with only 2 of the locations exceeding a concentration of 100 ug/L (770 ug/L at PPGW-4 and 2,100 ug/L at PPGW-1). Concentrations of hexavalent chromium above 100 ug/L were detected in 2 of the 11 groundwater monitoring well locations sampled (PMW-38 at 1,500 ug/L and PMW-13 at 150 ug/L); samples collected from the 9 other groundwater monitoring well locations were below 10 ug/L or had none detected (<2 ug/L). Total chromium results are similar to the hexavalent chromium results indicating that the majority of chromium detected in groundwater is of the hexavalent form. Results of the groundwater sampling conducted in April 2007 indicate a narrow plume of elevated hexavalent chromium concentrations in groundwater in the central portion of the Site.

Field quality control samples collected and analyzed included filter blanks and an equipment rinseate blank. Results of chemical analyses of field quality control samples are included in Table 1. Neither total chromium nor hexavalent chromium was detected in the equipment rinseate blank. Of the two filter blanks analyzed for total chromium; one did not have detectable total chromium and one detected total chromium at 3.4 ug/L. Potential sources of the detected total chromium concentration could be the filter, sample tubing, bottle, or acid preservative.

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[1] EKI, 2007. *Results of Soil and Grab Groundwater Sampling for Volatile Organic Compounds, 13500 Paxton Street, Pacoima, California*, 7 June.

1,4-Dioxane Results

1,4-Dioxane concentrations for grab groundwater samples are shown on Figure 2 and included in Table 1.

To assess the potential for variability of laboratory analytical results, split groundwater samples were collected from all the permanent and temporary wells and one set of samples was sent to Calscience and the other to K-Prime. Calscience analyzed all the groundwater samples for 1,4-dioxane using EPA Method 8270C (M) with isotope dilution. K-Prime analyzed only samples that had detectable 1.4-dioxane based on the results of analysis by Calscience. The samples analyzed by K-Prime were analyzed for 1,4-dioxane using EPA Method 8270C (M) without isotope dilution. All the analyses were completed within the established hold time for 1,4-diocxane in groundwater samples.

Results of the split sampling indicate that the concentrations of 1,4-dioxane reported by the two laboratories vary significantly, by a factor ranging from approximately 2.5 to 5.6 times. The results from Calscience were consistently higher. The difference in analytical method may explain part of the difference. However, both labs analyzed the samples in accordance with US EPA Method 8270C (M) analytical protocol and there were no quality assurance/quality control issues with laboratory method blanks, control samples, or surrogates.

The maximum concentration of 1,4-dioxane detected by both labs was in the groundwater sample from well MW-5. The Calscience analysis of the sample from MW-5 had 1,4-dioxane at a concentration of 1,300 ug/L and K-Prime's analysis detected 332 ug/L in the split sample.

As illustrated on Figure 2, both data sets indicate an area of higher 1,4-dioxane concentrations in groundwater in the central part of the Site (see Figure 2). The results of this investigation for 1,4-dioxane in groundwater indicate the need for additional monitoring including the installation of additional wells and continued split sampling as a check on concentrations, as discussed below.

PROPOSED ADDITIONAL MEASURES

Proposed Locations for Wells in Sutter Avenue to Complete Current Investigation

As requested by the RWQCB in their approval letter, two additional sampling locations (PPGW-13 and PPGW-14) are planned for Sutter Avenue (see Figure 5) near its intersection with Louvre Street. Due to overhead and underground utility constraints near the intersection of Sutter Avenue with Louvre Street, the area in which wells can be constructed is limited (see Figure 3). Because these locations may need to be monitored

in the future, we propose to install permanent monitoring wells. The wells will be screened across the groundwater table and sampled for total chromium, hexavalent chromium, volatile organic compounds, and 1,4-dioxane. The wells will be installed in accordance with methods and procedures described in the Work Plan and the *Saturated Zone Work Plan*[2]. The wells will be installed following receipt of RWQCB approval of proposed locations and issuance of a drilling permit and City encroachment permit.

Also, as required by the RWQCB in its 30 March 2007 letter, EKI has requested permission from Soco West, Inc. to be allowed to collect a split sample of groundwater from Soco West, Inc. well MW-16 located in Sutter Avenue. If permission is received in time, we propose to collect this sample during the third quarter 2007 sampling event, which is currently planned for early July 2007.

Following receipt of sample results from the planned groundwater sampling locations in Sutter Avenue, analytical results will be transmitted to the RWQCB.

Work Plan for Remediation of Chromium in Groundwater

Upon completion of the additional sampling in Sutter Street described above, we propose to proceed with preparation of a plan for remediation of hexavalent chromium in groundwater on the Site.

Proposed Additional Investigation for 1,4-Dioxane in Groundwater

To better define the extent of 1,4-dioxane in groundwater, including impacts to groundwater under the Site from the upgradient Soco West, Inc. property, and to further assess the variability of 1,4-dioxane concentrations in groundwater, we propose the following investigation:

- Complete the additional well installation and groundwater sampling proposed in Sutter Street, which will include analysis of samples for 1,4-dioxane, as described above,

- Collect a groundwater sample from upgradient Well-A2 (i.e., Soco West, Inc., well PF-2A),

- Install and sample one new on-Site groundwater monitoring well to be located approximately 125 feet northeast of well MW-5 to define the extent of 1,4-dioxane in this area (this location may need to be adjusted to avoid future buildings), and

- Collect groundwater samples and split samples from the sampling locations identified above and wells sampled as part of routine quarterly monitoring. As required by the

[2] EKI, 2003. *Saturated Zone Work Plan, 13500 Paxton Street, Pacoima, California*, 30 September.

RWQCB, all the samples will be analyzed for 1,4-dioxane by EPA Method 8270C (M) with isotope dilution. As a check on the results of this method, we propose to analyze selected split samples for 1,4-dioxane using EPA Method 8260B, which we understand to be a valid method for determination of 1,4-dioxane concentrations where the concentrations are suspected to be above approximately 50 ug/L.

Procedures for the proposed additional investigation will follow those previously approved by the RWQCB for the Site. A report of the results of this investigation will be submitted to the RWQCB approximately 30 days after the receipt of all analytical data.

Please contact us if you have questions or want to discuss this matter further.

Very truly yours,

ERLER & KALINOWSKI, INC.

Steven G. Miller, P.E.
Project Manager

cc: Mohammad Zaidi, RWQCB
Wendy Phillips, RWQCB
Linda Biagioni, Black & Decker
Lorraine Sedlak, Black & Decker
Eileen Nottoli, Allen Matkins

Enclosures:

Table 1 Summary of Total Chromium, Hexavalent Chromium, and 1,4-Dioxane Analytical Results for April 2007

Figure 1 Hexavalent Chromium Concentrations in Groundwater

Figure 2 1,4-Dioxane Concentrations in Groundwater

Figure 3 Proposed Groundwater Sampling Locations

Attachment A Borehole Logs for PPGW-1 through PPGW-12

Attachment B Well Development and Purge and Sampling Forms

Attachment C Analytical Laboratory Reports for Grab Groundwater Samples (Total Chromium, Hexavalent Chromium, and 1,4-Dioxane)

Table 1
Summary of Total Chromium, Hexavalent Chromium, and 1,4-Dioxane Analytical Results for April 2007
13500 Paxton Street, Pacoima, California

Well	Date	Note	Analytical Results (µg/L)			
			Total Chromium	Hexavalent Chromium	1,4-Dioxane (Calscience)	1,4-Dioxane (K-Prime)
Groundwater Monitoring Wells						
MW-4	4/3/2007		<1	2.1	<2	NA
MW-5	4/3/2007		<1	<0.2	1,300	332
MW-5	4/3/2007	DUP	<1	<0.2	NA	NA
MW-6	4/3/2007		7.4	9.4	<2	NA
MW-7	4/3/2007		1	3.1	2.2	<2
MW-8	4/2/2007		<1	<0.2	17	5.04
PMW-9	4/3/2007		<1	1.6	<2	NA
PMW-11	4/3/2007		NA	NA	<2	NA
PMW-13	4/3/2007		150	150	13	3.22
PMW-14	4/3/2007		<1	1.6	<2	NA
PMW-15	4/3/2007		NA	NA	20	7.96
PMW-19	4/3/2007		<1	0.46	NA	NA
PMW-20	4/2/2007		<1	0.5	NA	NA
PMW-37	4/2/2007		NA	NA	10	2.53
PMW-38	4/2/2007		1,490	1,500	34	10.2
PMW-38	4/2/2007	DUP	1,550	1,500	NA	NA
Grab Groundwater Samples						
PPGW-1	4/11/2007		2,160	2,100	<2	<2
PPGW-1	4/11/2007	DUP	2,210	2,100	NA	NA
PPGW-2	4/5/2007		80.5	87	72	19.3
PPGW-2	4/5/2007	DUP	82.2	85	NA	NA
PPGW-3	4/6/2007		<1	0.68	160	39.8
PPGW-4	4/4/2007		772	770	76	22.5
PPGW-5	4/10/2007		65	60	62	20.3
PPGW-5	4/10/2007	DUP	63.6	59	NA	NA
PPGW-6	4/10/2007		33.1	31	19	4.82
PPGW-7	4/4/2007		<1	1.7	15	3.99
PPGW-7	4/4/2007	DUP	<1	1.1	NA	NA
PPGW-8	4/5/2007		55.7	58	28	9.66
PPGW-9	4/10/2007		31	29	160	38.1
PPGW-10	4/11/2007		51.5	51	370	68

Table 1
Summary of Total Chromium, Hexavalent Chromium, and 1,4-Dioxane Analytical Results for April 2007
13500 Paxton Street, Pacoima, California

Well	Date	Note	Analytical Results (µg/L)			
			Total Chromium	Hexavalent Chromium	1,4-Dioxane (Calscience)	1,4-Dioxane (K-Prime)
Grab Groundwater Samples						
PPGW-11	4/9/2007		59.2	61	31	7.34
PPGW-11	4/9/2007	DUP	58	61	NA	NA
PPGW-12	4/6/2007		35.1	35	240	42.9
PPGW-12	4/6/2007	DUP	35.3	35	NA	NA
Blanks						
EB-1	4/5/2007		<1	<0.2	NA	NA
QCEB Filter-1	4/2/2007		<1	NA	NA	NA
QCEB Filter-2	4/3/2007		<1	NA	NA	NA
QCEB Filter-3	4/5/2007		<1	NA	NA	NA
QCEB Filter-8	4/11/2007		3.4	NA	NA	NA

Abbreviations:

< - Compound not detected at or above indicated laboratory detection limit

"DUP" - duplicate sample

QCEB - Equipment Blanks

QC Filter - Filter Blanks

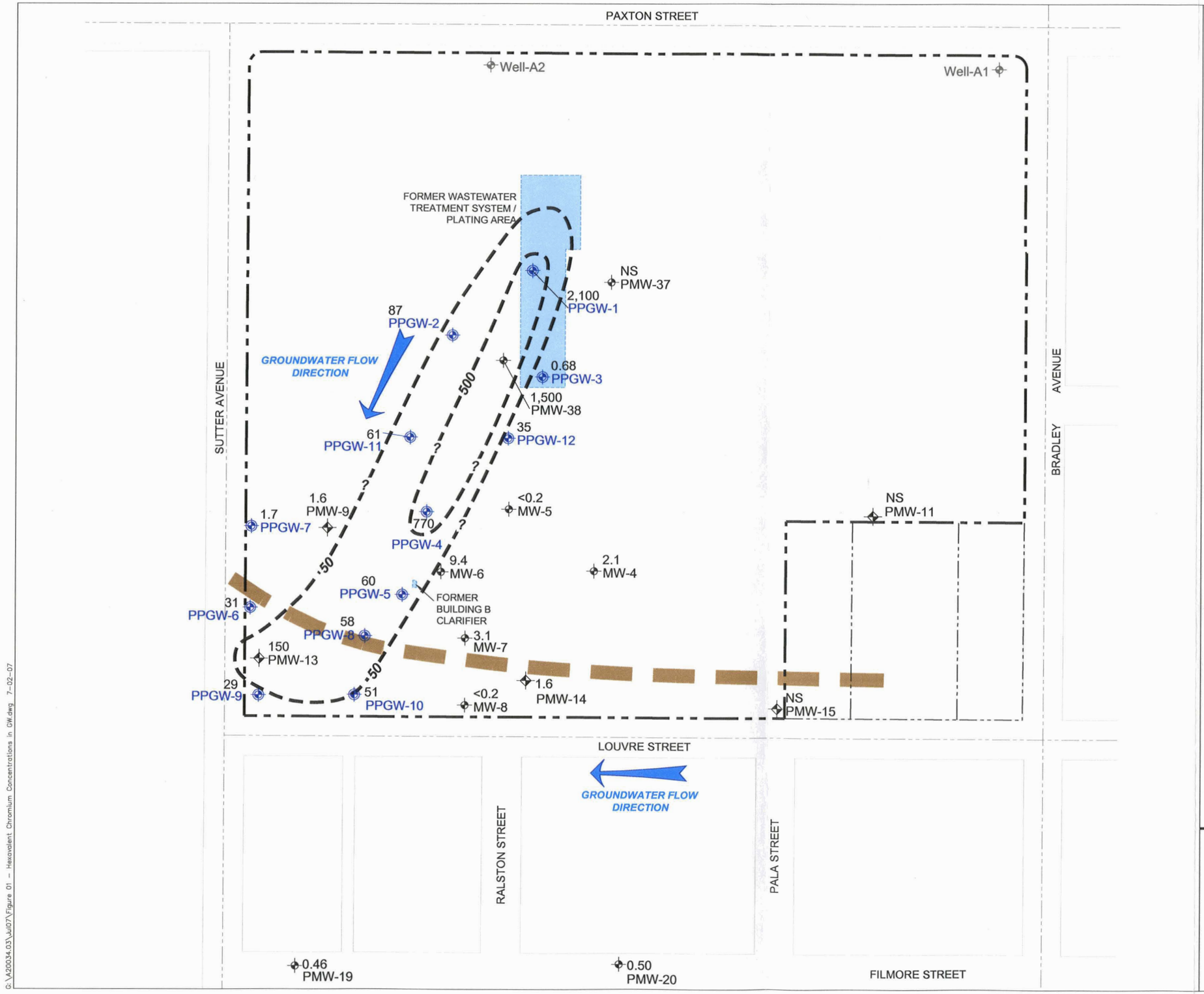
ICP/MS - Inductively coupled plasma/mass spectroscopy

µg/L - Micrograms per liter

Notes:

(1) Bladder pumps and tubing were used to collect samples in accordance with low flow purging and sampling procedures described in U.S. EPA Ground Water Issue: Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures, dated December 1995, and U.S. EPA Region 9 Quick Reference Advisory - Use of Low-Flow Methods for Groundwater Purging and Sampling: An Overview, dated December 1995.

(2) These samples were analyzed for chromium using EPA Method 200.8, for hexavalent chromium using EPA Method 218.6, and for 1,4-dioxane using either EPA Method 8270C(M) with Isotope Dilution (Calscience) or EPA Method 8270C without Isotope Dilution (K-Prime).



N

0 150 300

(Approximate Scale in Feet)

Legend:

- Groundwater Monitoring Well
- Soil Vapor/Groundwater Monitoring Well
- Grab Groundwater Sampling Location
- Approximate Site Boundary
- Apparent Concealed Fault Zones Based on Historical Groundwater Elevation Data
- 500 Inferred Isoconcentration Contour (April 2007)

Note:

1. All locations are approximate.
2. Well and grab groundwater sample locations were surveyed by Bill Carr Surveys, Inc.
3. Well symbols shown in light gray font are not part of the Price Pfister monitoring program.

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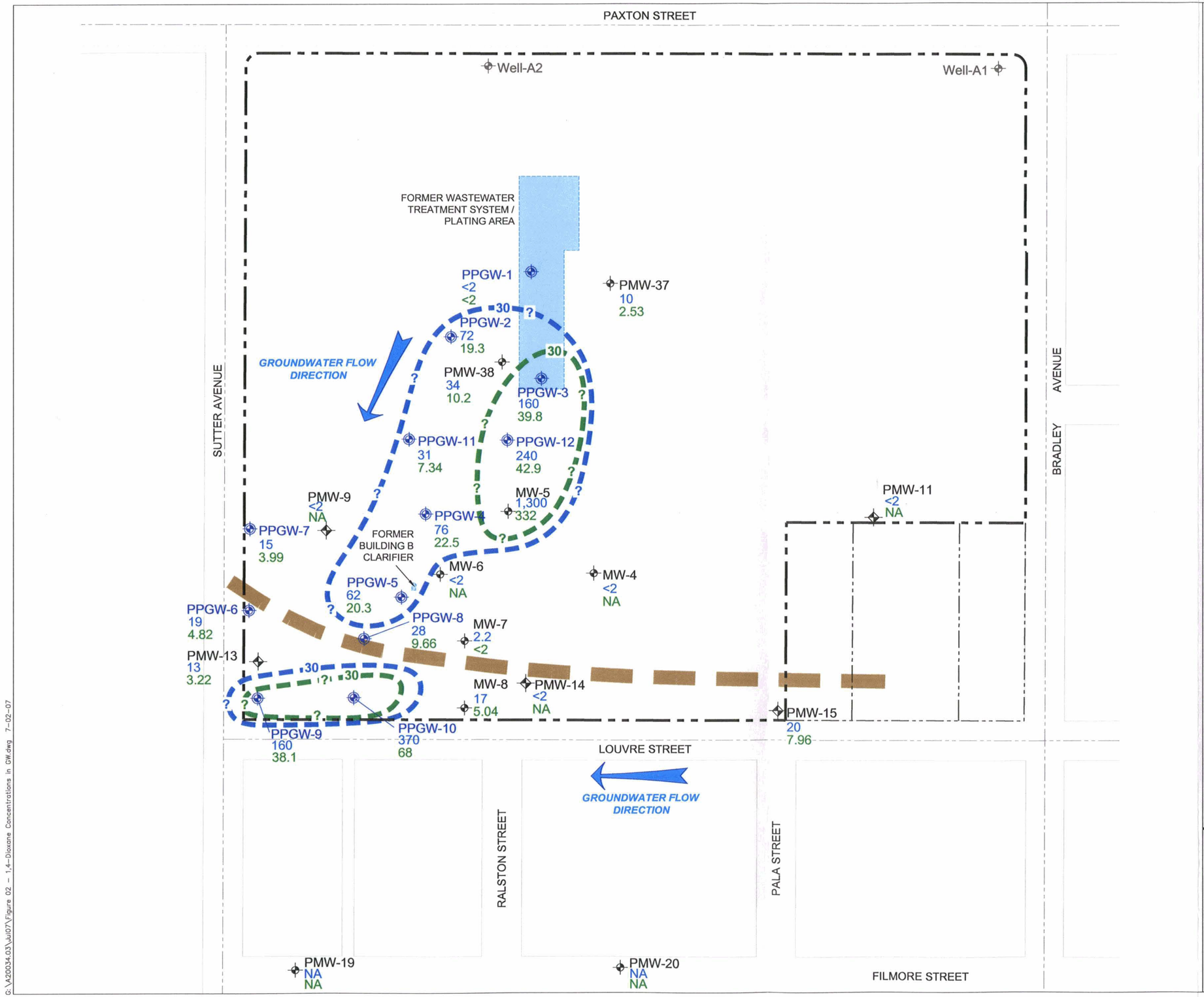
Hexavalent Chromium Concentrations (µg/L) in Groundwater

13500 Paxton Street
Pacoima, CA
July 2007
EKI A20034.03

Figure 1

G:\A20034.03\Jul07\Figure 01 – Hexavalent Chromium Concentrations in GW.dwg 7-02-07



N

0 150 300

(Approximate Scale in Feet)

Legend:

- Groundwater Monitoring Well
- Soil Vapor/Groundwater Monitoring Well
- Grab Groundwater Sampling Location
- Approximate Site Boundary
- Apparent Concealed Fault Zones Based on Historical Groundwater Elevation Data
- 10 — 30 — 1,4-Dioxane Concentration (µg/L) Using EPA Method 8270 With Isotope Dilution (Calscience Environmental Laboratory) and Inferred Isoconcentration Contour
- 2.53 — 30 — 1,4-Dioxane Concentration (µg/L) Using EPA Method 8270 Without Isotope Dilution (K-Prime Analytical Laboratory) and Inferred Isoconcentration Contour

Abbreviations:

µg/L	= Micrograms per liter
NA	= Not analyzed
3 µg/L	= Drinking Water Notification Level

Note:

1. All locations are approximate.
2. Well locations were surveyed by Bill Carr Surveys, Inc.
3. Well symbols shown in light gray font are not part of the Price Pfister monitoring program.

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1,4-Dioxane Concentrations (µg/L) in Groundwater

13500 Paxton Street
Pacoima, CA
July 2007
EKI A20034.03

Figure 2

G:\A20034.03\Jul07\Figure 02 - 1,4-Dioxane Concentrations in GW.dwg 7-02-07

PAXTON STREET

Well-A2

Well-A1

FORMER WASTEWATER TREATMENT SYSTEM / PLATING AREA

PPGW-1

PMW-37

PPGW-2

PMW-38

PPGW-3

GROUNDWATER FLOW DIRECTION

MW-16

PPGW-11

PPGW-12

PROPOSED WELL PMW-39

PPGW-4

MW-5

PIAS-10

PMW-11

PPGW-7

PMW-9

MW-6

MW-4

PPGW-5

FORMER BUILDING B CLARIFIER

PPGW-6

PPGW-8

MW-7

PMW-13

PROPOSED WELL PMW-40

PMW-14

PPGW-9

PPGW-10

MW-8

PMW-15

LOUVRE STREET

PROPOSED WELL PMW-41

GROUNDWATER FLOW DIRECTION

RALSTON STREET

PALA STREET

PMW-19

PMW-20

FILMORE STREET

SUTTER AVENUE

BRADLEY AVENUE

N

0 150 300

(Approximate Scale in Feet)

Legend:

- Groundwater Monitoring Well
- Soil Vapor/Groundwater Monitoring Well
- Grab Groundwater Sampling Location
- Proposed Groundwater Sampling Location
- Approximate Site Boundary
- Apparent Concealed Fault Zone Based on Historical Groundwater Elevation Data
- May be accessible (requires approval of encroachment permit with the City of Los Angeles). Areas outside these locations at and near the intersection of Sutter Avenue and Louvre Street are not accessible due to overhead and/or underground utilities.

Note:

1. All locations are approximate.
2. Well and grab groundwater sample locations were surveyed by Bill Carr Surveys, Inc.
3. Well symbols shown in light gray font are not part of the Price Pfister monitoring program.
4. Well PIAS-10 will be abandoned per RWQCB approval when location is accessible.

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Proposed Groundwater Sampling Locations

13500 Paxton Street
Pacoima, CA
July 2007
EKI A20034.03

Figure 3

G:\A20034.03\Jul07\Figure 03 - Proposed Groundwater Sampling Locations.dwg 7-02-07

ATTACHMENT A

Borehole Logs for PPGW-1 through PPGW-12

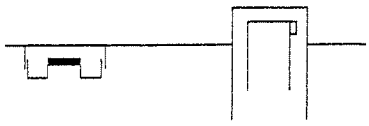
Key to Borehole and Well Construction Logs

Blow Count (Penetration Resistance)

Recorded as the number of blows required to drive the sampler 0.5 feet into undisturbed sediment. Sample drive hammer weight ≈ 140 pounds; fall ≈ 30 inches.

Well Cover Types

Flush mount Stove pipe



Organic Vapor Meter (OVM) Readings

Locations Monitored

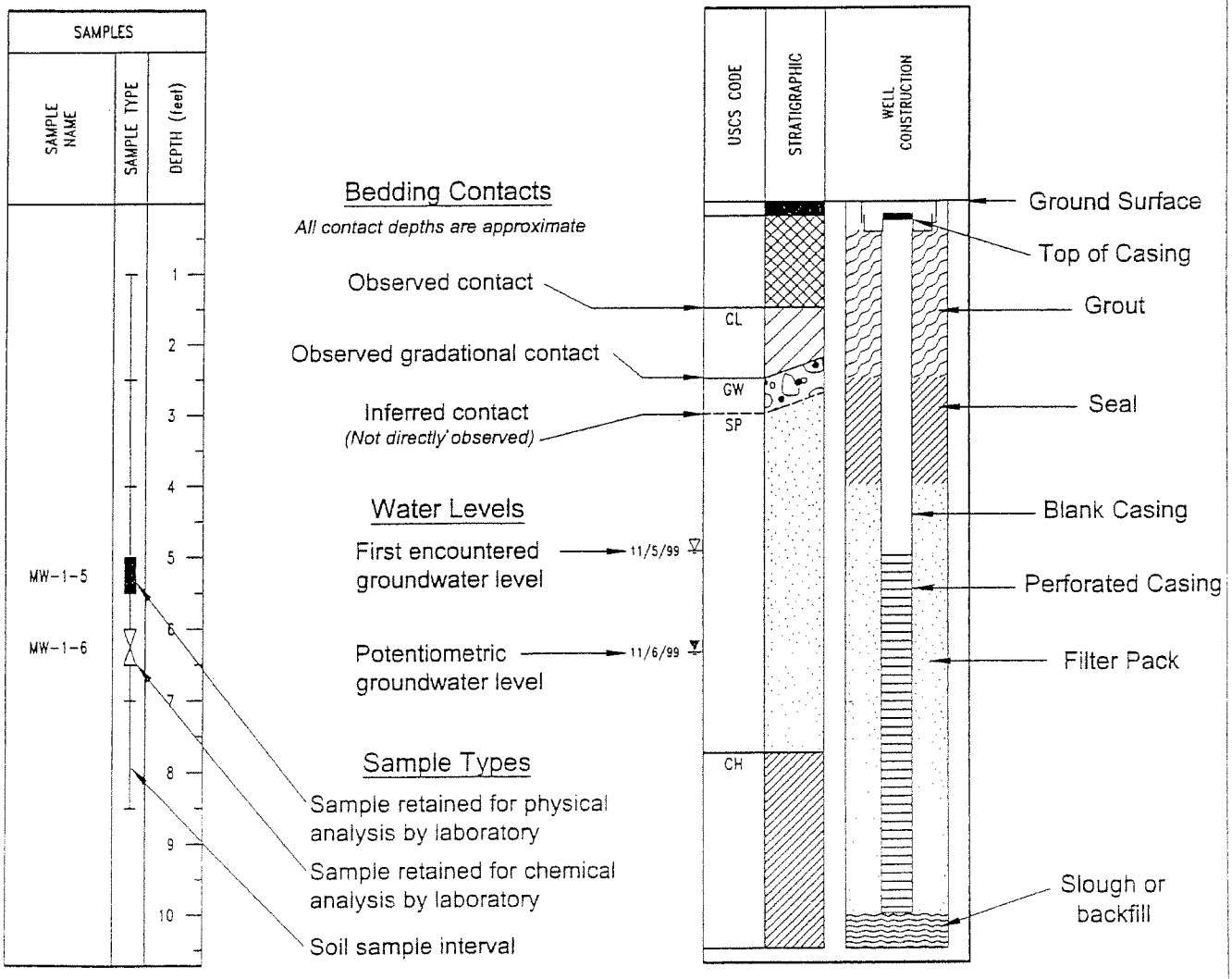
BZ - Breathing zone C - Drill cuttings

A - Top of auger S - Sample

Reported in volumetric parts per million (ppmv)

Color Description

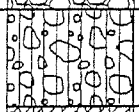
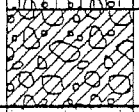
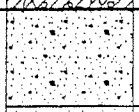
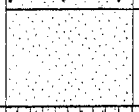
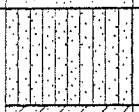
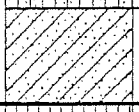
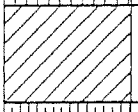
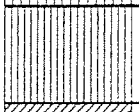
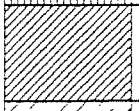
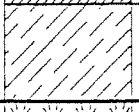
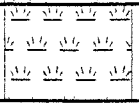
10YR 4/3 Munsell® alphanumeric system Description of soil or rock color



Zeus:Market\well_const_legend.dwg

2000 01-20 09:51:52 Q:\MARKET\WELL CONST LEGEND.dwg

Key to Borehole and Well Construction Logs
SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPHIC	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED BY NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS			ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
				MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENT

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

BOREHOLE LOCATION	13500 Paxton Street, Pacoima, CA 91331			BOREHOLE / WELL NAME	**PPGW1**
DRILLING COMPANY	TestAmerica Drilling Corp., C-57 Lic. # 819548			PROJECT NAME	**Price Pfister**
DRILLING METHOD	Hollow-Stem Auger			PROJECT NUMBER	**A20034.03**
CONDUCTOR CASING		DIAMETER (inches)	FROM (feet) TO	DATE STARTED	4/10/07 — DATE COMPLETED 4/20/07
BLANK CASING		DIAMETER (inches)	FROM (feet) TO	BOREHOLE DIAM (inches)	8.0 — TOTAL DEPTH (feet) 59
PERFORATED CASING		DIAMETER (inches)	FROM (feet) TO	DATUM	North American Vertical Datum 1988
GROUT	Type II/V Portland Cement with up to 5% Bentonite		FROM (feet) 0.0 TO 59.0	TOP OF CASING	GROUND SURFACE 1032.34
SEAL			FROM (feet) TO	LOGGED BY	Noah Kutaka
FILTER PACK			FROM (feet) TO	CHECKED BY	Logan Hansen, PG #7522

REMARKS: 2-inch diameter temporary well with screen interval from 43-58 feet bgs installed for grab groundwater sample collection. Well removed during abandonment.

SAMPLES: TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
						0	Unpaved ground surface in excavated area approximately 10 feet below surrounding ground surface			
08:00			1.2		0.0	10	SAND WITH GRAVEL; dark yellowish brown (10YR 4/6); 15% fine to coarse gravel; 85% fine to coarse grained sand; dry to moist; with broken rock fragments	SW		
08:10			0.7		0.0	20	dark yellowish brown (10YR 4/4); as above			
08:25			1.1		0.0	30	As above with broken rock fragments			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	Price Pfister	PROJECT NUMBER	A20034.03	BOREHOLE / WELL NAME	PPGW1

SAMPLES										
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
08:39			1.1		0.0	40	brown (10YR 4/3); dry to moist; increasing gravel to 30%; as above with broken rock fragments/rock flour			
						45	4/12/2007 ▼ 4/10/2007 ▽			
08:55			1.5			50	SAND; brown (10YR 4/3); 10% fine to coarse gravel; 90% fine to coarse grained sand, mainly medium to coarse; wet	SP		
						55				
						60	Total Depth of Borehole = 59 feet.			
						65				
						70				
						75				
						80				

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

BOREHOLE LOCATION	13500 Paxton Street, Pacoima, CA 91331			BOREHOLE / WELL NAME	**PPGW2**
DRILLING COMPANY	TestAmerica Drilling Corp., C-57 Lic. # 819548			PROJECT NAME	**Price Pfister**
DRILLING METHOD	Hollow-Stem Auger			PROJECT NUMBER	**A20034.03**
CONDUCTOR CASING		DIAMETER (inches)	FROM (feet) TO	DATE STARTED	4/3/07 — DATE COMPLETED 4/9/07
BLANK CASING		DIAMETER (inches)	FROM (feet) TO	BOREHOLE DIAM (inches)	8.0 — TOTAL DEPTH (feet) 67
PERFORATED CASING		DIAMETER (inches)	FROM (feet) TO	DATUM	North American Vertical Datum 1988
GROUT	Type II/V Portland Cement with up to 5% Bentonite		FROM (feet) 0.0 TO 67.0	TOP OF CASING	GROUND SURFACE 1044.00
SEAL			FROM (feet) TO	LOGGED BY	Noah Kutaka
FILTER PACK			FROM (feet) TO	CHECKED BY	Logan Hansen, PG #7522

REMARKS: 2-inch diameter temporary well with screen interval from 52-67 feet bgs installed for grab groundwater sample collection. Well removed during abandonment.

SAMPLES: TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
						0	Unpaved ground surface			
						5				
08:11			1.2		0.0	10	SAND WITH GRAVEL; brown (10YR 4/3); 35% fine to coarse gravel; 65% fine to coarse grained sand; dry to moist; with broken rock fragments	SW		
						15	Auger binding on rocks			
08:24			1.3		0.0	20	dark yellowish brown (10YR 3/6); decreasing gravel to 15%; as above with broken rock fragments/rock flour			
						25	Difficult to advance auger			
08:53			1.4		0.0	30	brown (10YR 4/3); increasing gravel to 30%; as above with broken rock fragments			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	PROJECT NUMBER	BOREHOLE / WELL NAME
Price Pfister	A20034.03	PPGW2

SAMPLES									
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG / WELL CONSTRUCTION
09:17			1.4		0.0	40	dark yellowish brown (10YR 4/4); as above		
						45	Difficult to advance auger		
09:44			1.0		0.0	50	Decreasing gravel to 15%; as above		
							4/5/2007 4/3/2007		
10:04			1.5			60	brown (10YR 4/3); wet; increasing gravel to 30%; as above with broken rock fragments		
						65			
							Total Depth of Borehole = 67 feet.		
						70			
						75			
						80			

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

BOREHOLE LOCATION	13500 Paxton Street, Pacoima, CA 91331			BOREHOLE / WELL NAME	**PPGW3**
DRILLING COMPANY	TestAmerica Drilling Corp., C-57 Lic. # 819548			PROJECT NAME	**Price Pfister**
DRILLING METHOD	Hollow-Stem Auger			PROJECT NUMBER	**A20034.03**
CONDUCTOR CASING		DIAMETER (inches)	FROM (feet) TO	DATE STARTED	4/3/07 — DATE COMPLETED 4/9/07
BLANK CASING		DIAMETER (inches)	FROM (feet) TO	BOREHOLE DIAM (inches)	8.0 — TOTAL DEPTH (feet) 67
PERFORATED CASING		DIAMETER (inches)	FROM (feet) TO	DATUM	North American Vertical Datum 1988
GROUT	Type II/V Portland Cement with up to 5% Bentonite		FROM (feet) 0.0 TO 67.0	TOP OF CASING	GROUND SURFACE 1043.90
SEAL			FROM (feet) TO	LOGGED BY	Noah Kutaka
FILTER PACK			FROM (feet) TO	CHECKED BY	Logan Hansen, PG #7522

REMARKS: 2-inch diameter temporary well with screen interval from 52-67 feet bgs installed for grab groundwater sample collection. Well removed during abandonment.

SAMPLES: TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
						0	Unpaved ground surface			
11:35		I	1.0		0.0	10	SAND WITH GRAVEL; brown (10YR 4/3); 15% fine to coarse gravel; 85% fine to coarse grained sand; dry to moist; with broken rock fragments/rock flour	SW		
12:16		I	1.4		0.0	20	dark yellowish brown (10YR 4/4); as above			
12:26		I	1.5		0.0	30	as above			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	PROJECT NUMBER	BOREHOLE / WELL NAME
Price Pfister	A20034.03	PPGW3

SAMPLES									
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG / WELL CONSTRUCTION
						35			
12:39			1.3		0.0	40	Increasing gravel to 30%; as above with broken rock fragments		
						45			
12:48			1.2		0.0	50	brown (10YR 4/3); decreasing gravel to 15%; as above		
						55	4/6/2007 ▼ 4/3/2007 ▽		
12:56			1.5			60	SAND; brown (10YR 4/3); 10% fine to coarse gravel; 90% fine to coarse grained sand, mainly medium to coarse; wet; with peppery black and white sand grains	SP	
						65			
							Total Depth of Borehole = 67 feet.		
						70			
						75			
						80			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

BOREHOLE LOCATION	13500 Paxton Street, Pacoima, CA 91331			BOREHOLE / WELL NAME	PPGW4
DRILLING COMPANY	TestAmerica Drilling Corp., C-57 Lic. # 819548			PROJECT NAME	Price Pfister
DRILLING METHOD	Hollow-Stem Auger			PROJECT NUMBER	A20034.03
CONDUCTOR CASING		DIAMETER (inches)	FROM (feet) TO	DATE STARTED	4/2/07 DATE COMPLETED 4/9/07
BLANK CASING		DIAMETER (inches)	FROM (feet) TO	BOREHOLE DIAM (inches)	8.0 TOTAL DEPTH (feet) 60
PERFORATED CASING		DIAMETER (inches)	FROM (feet) TO	DATUM	North American Vertical Datum 1988
GROUT	Type II/V Portland Cement with up to 5% Bentonite		FROM (feet) 0.0 TO 60.0	TOP OF CASING	GROUND SURFACE 1036.79
SEAL			FROM (feet) TO	LOGGED BY	Noah Kutaka
FILTER PACK			FROM (feet) TO	CHECKED BY	Logan Hansen, PG #7522

REMARKS: 2-inch diameter temporary well with screen interval from 45-60 feet bgs installed for grab groundwater sample collection. Well removed during abandonment.

SAMPLES: TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
						0	Unpaved ground surface			
08:20			1.0		0.0	10	SAND WITH GRAVEL; dark yellowish brown (10YR 4/4); 30% fine to coarse gravel; 70% fine to coarse grained sand; dry to moist; with broken rock fragments	SW		
08:30			1.2		0.0	20	dark yellowish brown (10YR 4/6); decreasing gravel to 20%; as above			
08:42			1.0		0.0	30	dark yellowish brown (10YR 4/4); decreasing gravel to 15%; as above			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	Price Pfister	PROJECT NUMBER	A20034.03	BOREHOLE / WELL NAME	PPGW4

SAMPLES										
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
08:55			1.3		0.0	40	brown (10YR 4/3); increasing gravel to 30%; as above			
						45				
							4/4/2007			
09:05			0.8			50	brown (10YR 5/3); wet; as above			
								4/2/2007		
						55				
09:11			1.5				SAND WITH GRAVEL; brown (10YR 4/3); 30% fine to coarse gravel; 70% medium to coarse grained sand; wet	SP		
						60	Total Depth of Borehole = 60 feet.			
						65				
						70				
						75				
						80				

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

BOREHOLE LOCATION	13500 Paxton Street, Pacoima, CA 91331			BOREHOLE / WELL NAME	PPGW5
DRILLING COMPANY	TestAmerica Drilling Corp., C-57 Lic. # 819548			PROJECT NAME	Price Pfister
DRILLING METHOD	Hollow-Stem Auger			PROJECT NUMBER	A20034.03
CONDUCTOR CASING		DIAMETER (inches)	FROM (feet) TO	DATE STARTED	4/6/07 — DATE COMPLETED 4/20/07
BLANK CASING		DIAMETER (inches)	FROM (feet) TO	BOREHOLE DIAM (inches)	8.0 — TOTAL DEPTH (feet) 58
PERFORATED CASING		DIAMETER (inches)	FROM (feet) TO	DATUM	North American Vertical Datum 1988
GROUT	Type II/V Portland Cement with up to 5% Bentonite		FROM (feet) 0.0 TO 58.0	TOP OF CASING	GROUND SURFACE 1034.35
SEAL			FROM (feet) TO	LOGGED BY	Noah Kutaka
FILTER PACK			FROM (feet) TO	CHECKED BY	Logan Hansen, PG #7522

REMARKS: 2-inch diameter temporary well with screen interval from 43-58 feet bgs installed for grab groundwater sample collection. Well removed during abandonment.

SAMPLES: TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
						0	Unpaved ground surface in excavated area of Bldg. B footprint approximately 3 feet below surrounding ground surface			
						5	Rig struggling through rocks			
08:15			0.9		0.0	10	SAND WITH GRAVEL; brown (10YR 4/3); 15% fine to coarse gravel; 85% fine to coarse grained sand; dry to moist	SW		
						15				
08:23			1.3		0.0	20	Increasing gravel to 30%; as above			
						25				
08:32			0.8		0.0	30	dark yellowish brown (10YR 4/4); decreasing gravel to 15%; as above			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	Price Pfister	PROJECT NUMBER	A20034.03	BOREHOLE / WELL NAME	PPGW5

SAMPLES							MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)				
						35				
08:41		I	1.3		0.0	40	As above			
						45	4/10/2007 ▼ ▽ 4/6/2007			
09:00		I	1.5			50	SAND WITH GRAVEL; brown (10YR 4/3); 15% fine to coarse gravel; 85% fine to coarse grained sand, mainly medium to coarse; wet; with peppery black and white sand grains	SP		
						55				
							Total Depth of Borehole = 58 feet.			
						60				
						65				
						70				
						75				
						80				

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

BOREHOLE LOCATION	13500 Paxton Street, Pacoima, CA 91331			BOREHOLE / WELL NAME	**PPGW6**
DRILLING COMPANY	TestAmerica Drilling Corp., C-57 Lic. # 819548			PROJECT NAME	**Price Pfister**
DRILLING METHOD	Hollow-Stem Auger			PROJECT NUMBER	**A20034.03**
CONDUCTOR CASING		DIAMETER (inches)	FROM (feet) TO	DATE STARTED 4/6/07	DATE COMPLETED 4/20/07
BLANK CASING		DIAMETER (inches)	FROM (feet) TO	BOREHOLE DIAM (inches) 8.0	TOTAL DEPTH (feet) 74
PERFORATED CASING		DIAMETER (inches)	FROM (feet) TO	DATUM North American Vertical Datum 1988	
GROUT	Type II/V Portland Cement with up to 5% Bentonite		FROM (feet) 0.0 TO 74.0	TOP OF CASING	GROUND SURFACE 1034.57
SEAL			FROM (feet) TO	LOGGED BY Noah Kutaka	
FILTER PACK			FROM (feet) TO	CHECKED BY Logan Hansen, PG #7522	

REMARKS: 2-inch diameter temporary well with screen interval from 59-74 feet bgs installed for grab groundwater sample collection. Well removed during abandonment.

SAMPLES: TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
						0	Unpaved ground surface			
						5				
10:02		I	0.5		0.0	10	SAND WITH GRAVEL; dark yellowish brown (10YR 4/4); 30% fine to coarse gravel; 70% fine to coarse grained sand; dry to moist	SW		
						15				
10:09		I	1.0		0.0	20	Decreasing gravel to 15%; as above with broken rock fragments			
						25				
10:18		I	0.6		0.0	30	brown (10YR 4/3); increasing gravel to 30%; as above			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	Price Pfister	PROJECT NUMBER	A20034.03	BOREHOLE / WELL NAME	PPGW6

SAMPLES							MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)				
						35				
10:28			0.8		0.0	40	dark yellowish brown (10YR 4/4); as above			
						45				
10:36			0.4			50	moist; as above			
						55				
10:46			1.3			60	SAND; dark grayish brown(10YR 4/2); 10% fine to coarse gravel; 90% fine to coarse grained sand; moist to wet	SW		
						65	4/10/2007 ▼ 4/6/2007 ▽			
11:12			1.3			70	SAND WITH GRAVEL; dark grayish brown(10YR 4/2); 40% fine to coarse gravel; 60% fine to coarse grained sand; wet; with peppery black and white sand grains	SW		
						75	Total Depth of Borehole = 74 feet.			
						80				

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

BOREHOLE LOCATION	13500 Paxton Street, Pacoima, CA 91331			BOREHOLE / WELL NAME	PPGW7
DRILLING COMPANY	TestAmerica Drilling Corp., C-57 Lic. # 819548			PROJECT NAME	Price Pfister
DRILLING METHOD	Hollow-Stem Auger			PROJECT NUMBER	A20034.03
CONDUCTOR CASING		DIAMETER (inches)	FROM (feet) TO	DATE STARTED	4/2/07
				DATE COMPLETED	4/20/07
BLANK CASING		DIAMETER (inches)	FROM (feet) TO	BOREHOLE DIAM (inches)	8.0
				TOTAL DEPTH (feet)	65
PERFORATED CASING		DIAMETER (inches)	FROM (feet) TO	DATUM	North American Vertical Datum 1988
GROUT	Type II/V Portland Cement with up to 5% Bentonite		FROM (feet) 0.0 TO 65.0	TOP OF CASING	
				GROUND SURFACE	1034.57
SEAL			FROM (feet) TO	LOGGED BY	Noah Kutaka
FILTER PACK			FROM (feet) TO	CHECKED BY	Logan Hansen, PG #7522

REMARKS: 2-inch diameter temporary well with screen interval from 47.5-62.5 feet bgs installed for grab groundwater sample collection. Well removed during abandonment.

SAMPLES: TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
						0	Unpaved ground surface			
						5				
11:05			1.2		0.0	10	SAND WITH GRAVEL; brown (10YR 5/3); 30% fine to coarse gravel; 70% fine to coarse grained sand; dry to moist	SW		
						15				
11:14			1.1		0.0	20	As above with broken rock fragments			
						25				
11:22			1.0		0.0	30	As above			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	PROJECT NUMBER	BOREHOLE / WELL NAME
Price Pfister	A20034.03	PPGW7

SAMPLES									
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG / WELL CONSTRUCTION
11:32			1.0		0.0	40	brown (10YR 4/3); decreasing gravel to 15%; as above		
						45			
							4/4/2007 ▼ 4/2/2007 ▽		
12:15			1.4			50	moist to wet; as above with large rock fragments		
						55			
12:24			1.5			60	SAND; brown (10YR 4/3); 10% fine to coarse gravel; 90% fine to coarse grained sand, mainly medium to coarse; wet; with peppery black and white sand grains	SP	
						65	Total Depth of Borehole = 65 feet.		
						70			
						75			
						80			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

BOREHOLE LOCATION	13500 Paxton Street, Pacoima, CA 91331			BOREHOLE / WELL NAME	**PPGW8**
DRILLING COMPANY	TestAmerica Drilling Corp., C-57 Lic. # 819548			PROJECT NAME	**Price Pfister**
DRILLING METHOD	Hollow-Stem Auger			PROJECT NUMBER	**A20034.03**
CONDUCTOR CASING		DIAMETER (inches)	FROM (feet) TO	DATE STARTED	4/2/07 DATE COMPLETED 4/20/07
BLANK CASING		DIAMETER (inches)	FROM (feet) TO	BOREHOLE DIAM (inches)	8.0 TOTAL DEPTH (feet) 65
PERFORATED CASING		DIAMETER (inches)	FROM (feet) TO	DATUM	North American Vertical Datum 1988
GROUT	Type II/V Portland Cement with up to 5% Bentonite		FROM (feet) 0.0 TO 65.0	TOP OF CASING	GROUND SURFACE 1037.36
SEAL			FROM (feet) TO	LOGGED BY	Noah Kutaka
FILTER PACK			FROM (feet) TO	CHECKED BY	Logan Hansen, PG #7522

REMARKS: 2-inch diameter temporary well with screen interval from 48-63 feet bgs installed for grab groundwater sample collection. Well removed during abandonment.

SAMPLES: TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
						0	Unpaved ground surface			
13:52			1.0		0.0	10	SAND WITH GRAVEL; brown (10YR 5/3); 15% fine to coarse gravel; 85% fine to coarse grained sand; dry to moist	SW		
14:01			1.1		0.0	20	brown (10YR 5/3); increasing gravel to 30%; as above with broken rock fragments containing black and green minerals			
14:10			1.0		0.0	30	brown (10YR 4/3); as above with increasing broken rock fragments			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	Price Pfister	PROJECT NUMBER	A20034.03	BOREHOLE / WELL NAME	PPGW8

SAMPLES							MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)				
						35				
14:20			1.5		0.0	40	As above			
						45				
14:35			1.3			50	4/5/2007 ▼ very dark grayish brown (10YR 3/2); moist; decreasing gravel to 15%; as above with broken rock fragments	▽ 4/2/2007		
						55				
14:55			1.5			60	SAND WITH GRAVEL; brown (10YR 4/3); 15% fine to coarse gravel; 85% fine to coarse grained sand, mainly medium to coarse; wet; with peppery black and white sand grains	SP		
						65	Total Depth of Borehole = 65 feet.			
						70				
						75				
						80				

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

BOREHOLE LOCATION	13500 Paxton Street, Pacoima, CA 91331			BOREHOLE / WELL NAME	**PPGW9**
DRILLING COMPANY	TestAmerica Drilling Corp., C-57 Lic. # 819548			PROJECT NAME	**Price Pfister**
DRILLING METHOD	Hollow-Stem Auger			PROJECT NUMBER	**A20034.03**
CONDUCTOR CASING		DIAMETER (inches)	FROM (feet) TO	DATE STARTED	4/5/07 — DATE COMPLETED 4/20/07
BLANK CASING		DIAMETER (inches)	FROM (feet) TO	BOREHOLE DIAM (inches)	8.0 — TOTAL DEPTH (feet) 77
PERFORATED CASING		DIAMETER (inches)	FROM (feet) TO	DATUM	North American Vertical Datum 1988
GROUT	Type II/V Portland Cement with up to 5% Bentonite		FROM (feet) 0.0 TO 77.0	TOP OF CASING	GROUND SURFACE 1034.67
SEAL			FROM (feet) TO	LOGGED BY	Noah Kutaka
FILTER PACK			FROM (feet) TO	CHECKED BY	Logan Hansen, PG #7522

REMARKS: 2-inch diameter temporary well with screen interval from 62-77 feet bgs installed for grab groundwater sample collection. Well removed during abandonment.

SAMPLES: TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
						0	Unpaved ground surface			
14:09			0.5		0.0	10	SAND WITH GRAVEL; brown (10YR 5/3); 15% fine to coarse gravel; 85% fine to coarse grained sand; dry to moist	SW		
14:18			1.0		0.0	20	dark yellowish brown (10YR 4/4); increasing gravel to 30%; as above with broken rock fragments/rock flour			
14:27			0.3		0.0	30	Decreasing gravel to 15%; as above with concrete fragments			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	Price Pfister	PROJECT NUMBER	A20034.03	BOREHOLE / WELL NAME	PPGW9

SAMPLES										
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
14:34			0.6		0.0	40	As above			
14:50			0.5		0.0	50	brown (10YR 5/3); increasing gravel to 30%; as above			
15:04			0.8		0.0	60	dark yellowish brown (10YR 4/4); decreasing gravel to 15%; as above			
						65	4/10/2007 4/5/2007			
15:20			1.5			70	SAND; dark yellowish brown (10YR 4/4); 100% fine to coarse grained sand, mainly medium to coarse; wet; with peppery black and white sand grains	SP		
						75	Total Depth of Borehole = 77 feet.			
						80				

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

BOREHOLE LOCATION	13500 Paxton Street, Pacoima, CA 91331			BOREHOLE / WELL NAME	**PPGW10**
DRILLING COMPANY	TestAmerica Drilling Corp., C-57 Lic. # 819548			PROJECT NAME	**Price Pfister**
DRILLING METHOD	Hollow-Stem Auger			PROJECT NUMBER	**A20034.03**
CONDUCTOR CASING		DIAMETER (inches)	FROM (feet) TO	DATE STARTED	4/6/07 — DATE COMPLETED 4/20/07
BLANK CASING		DIAMETER (inches)	FROM (feet) TO	BOREHOLE DIAM (inches)	8.0 — TOTAL DEPTH (feet) 85
PERFORATED CASING		DIAMETER (inches)	FROM (feet) TO	DATUM	North American Vertical Datum 1988
GROUT	Type II/V Portland Cement with up to 5% Bentonite		FROM (feet) 0.0 TO 85.0	TOP OF CASING	GROUND SURFACE 1037.31
SEAL			FROM (feet) TO	LOGGED BY	Noah Kutaka
FILTER PACK			FROM (feet) TO	CHECKED BY	Logan Hansen, PG #7522

REMARKS: 2-inch diameter temporary well with screen interval from 67-82 feet bgs installed for grab groundwater sample collection. Well removed during abandonment.

SAMPLES: TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
						0	Unpaved ground surface			
13:22		I	0.8		0.0	10	SAND WITH GRAVEL; brown (10YR 4/3); 30% fine to coarse gravel; 70% fine to coarse grained sand; dry to moist; with broken rock fragments	SW		
13:30		I	0.7		0.2	20	dark yellowish brown (10YR 4/4); as above			
14:14		I	0.7		0.0	30	as above with broken rock fragments/rock flour			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	Price Pfister	PROJECT NUMBER	A20034.03	BOREHOLE / WELL NAME	PPGW10

SAMPLES							MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)				
						35				
14:26			1.3		0.0	40	dark yellowish brown (10YR 3/4); as above			
						45				
14:34			1.3		0.0	50	dark yellowish brown (10YR 4/4); decreasing gravel to 15%; as above with broken rock fragments			
						55				
14:47			0.7		0.2	60	Increasing gravel to 30%; as above			
						65				
							4/11/2007 ▼ ▽ 4/6/2007			
14:56			0.6			70	SAND: brown (10YR 4/3); 10% fine to coarse gravel; 90% fine to coarse grained sand; wet; with peppery black and white sand grains	SW		
						75				
15:06			1.5			80		SP		

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	PROJECT NUMBER	BOREHOLE / WELL NAME
Price Pfister	A20034.03	PPGW10

SAMPLES							MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)				
							SAND; brown (10YR 4/3); 10% fine to coarse gravel; 90% fine to coarse grained sand, mainly fine to medium; wet; with peppery black and white sand grains			
						85	Total Depth of Borehole = 85 feet.			
						90				
						95				
						100				
						105				
						110				
						115				
						120				
						125				

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

BOREHOLE LOCATION	13500 Paxton Street, Pacoima, CA 91331			BOREHOLE / WELL NAME	**PPGW11**
DRILLING COMPANY	TestAmerica Drilling Corp., C-57 Lic. # 819548			PROJECT NAME	**Price Pfister**
DRILLING METHOD	Hollow-Stem Auger			PROJECT NUMBER	**A20034.03**
CONDUCTOR CASING		DIAMETER (inches)	FROM (feet) TO	DATE STARTED	4/5/07 — DATE COMPLETED 4/20/07
BLANK CASING		DIAMETER (inches)	FROM (feet) TO	BOREHOLE DIAM (inches)	8.0 — TOTAL DEPTH (feet) 66
PERFORATED CASING		DIAMETER (inches)	FROM (feet) TO	DATUM	North American Vertical Datum 1988
GROUT	Type II/V Portland Cement with up to 5% Bentonite		FROM (feet) 0.0 TO 66.0	TOP OF CASING	GROUND SURFACE 1043.58
SEAL			FROM (feet) TO	LOGGED BY	Noah Kutaka
FILTER PACK			FROM (feet) TO	CHECKED BY	Logan Hansen, PG #7522

REMARKS: 2-inch diameter temporary well with screen interval from 51-66 feet bgs installed for grab groundwater sample collection. Well removed during abandonment.

SAMPLES: TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
						0	Unpaved ground surface			
07:57		I	1.2		0.0	10	SAND WITH GRAVEL: brown (10YR 4/3); 15% fine to coarse gravel; 85% fine to coarse grained sand; dry to moist; with broken rock fragments	SW		
						15	Rig struggling through rocks			
08:07		I	1.0		0.0	20	dark yellowish brown (10YR 4/4); increasing gravel to 30%; as above with broken rock fragments			
							Rig struggling through rocks			
						25				
08:54		I	0.8		0.0	30	Decreasing gravel to 15%; as above with broken rock fragments/rock flour			

1-EKI STD - BH AND MW LOG_PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	PROJECT NUMBER	BOREHOLE / WELL NAME
Price Pfister	A20034.03	PPGW11

SAMPLES									
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG / WELL CONSTRUCTION
09:08			1.1		0.0	40	As above		
09:22			1.0			50	moist to wet; increasing gravel to 30%; as above with broken rock fragments		
							4/9/2007 4/5/2007		
09:31			1.4			60	SAND; dark brown (10YR 3/3); 100% fine to coarse grained sand, mainly medium to coarse; wet; with peppery black and white sand grains	SP	
						66	Total Depth of Borehole = 66 feet.		

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

BOREHOLE LOCATION	13500 Paxton Street, Pacoima, CA 91331			BOREHOLE / WELL NAME	**PPGW12**
DRILLING COMPANY	TestAmerica Drilling Corp., C-57 Lic. # 819548			PROJECT NAME	**Price Pfister**
DRILLING METHOD	Hollow-Stem Auger			PROJECT NUMBER	**A20034.03**
CONDUCTOR CASING		DIAMETER (inches)	FROM (feet) TO	DATE STARTED	4/3/07 DATE COMPLETED 4/9/07
BLANK CASING		DIAMETER (inches)	FROM (feet) TO	BOREHOLE DIAM (inches)	8.0 TOTAL DEPTH (feet) 66
PERFORATED CASING		DIAMETER (inches)	FROM (feet) TO	DATUM	North American Vertical Datum 1988
GROUT	Type II/V Portland Cement with up to 5% Bentonite		FROM (feet) 0.0 TO 66.0	TOP OF CASING	GROUND SURFACE 1043.90
SEAL			FROM (feet) TO	LOGGED BY	Noah Kutaka
FILTER PACK			FROM (feet) TO	CHECKED BY	Logan Hansen, PG #7522

REMARKS: 2-inch diameter temporary well with screen interval from 51-66 feet bgs installed for grab groundwater sample collection. Well removed during abandonment.

SAMPLES: TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)	MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
							Unpaved ground surface			
						5	Rig struggling, rocks observed in cuttings			
14:10			1.3		0.0	10	SAND WITH GRAVEL; dark grayish brown(10YR 4/2); 15% fine to coarse gravel; 85% fine to coarse grained sand; dry to moist; with broken rock fragments	SW		
						15				
14:18			1.0		0.0	20	dark yellowish brown (10YR 4/6); as above			
						25				
14:27			1.5		0.0	30	brown (10YR 4/3); as above with broken rock fragments/rock flour			

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

Borehole & Well Construction Log

Erler & Kalinowski, Inc.

PROJECT NAME	PROJECT NUMBER	BOREHOLE / WELL NAME
Price Pfister	A20034.03	PPGW12

SAMPLES							MATERIAL DESCRIPTION AND DRILLING NOTES	USCS CODE	GRAPHIC LOG	WELL CONSTRUCTION
TIME COLLECTED	SAMPLE NAME	SAMPLE TYPE	RECOVERY (feet)	BLOW COUNT	OVM (ppmv)	DEPTH (feet)				
						35				
14:42			1.0		0.0	40	dark yellowish brown (10YR 4/6); as above			
						45	Rig struggling through rocks			
14:52			0.7		0.0	50	brown (10YR 4/3); as above			
						55	4/6/2007 ▼ 4/3/2007 ▽			
15:00			1.5			60	SAND; brown (10YR 4/3); 10% fine to coarse gravel; 90% fine to coarse grained sand, mainly medium to coarse; wet; with peppery black and white sand grains	SP		
						65	Total Depth of Borehole = 66 feet.			
						70				
						75				
						80				

1-EKI STD - BH AND MW LOG PPGW APRIL 2007.GPJ EKIF_V5.GDT 5/8/07

ATTACHMENT B

Well Development and Purge and Sampling Forms

LOW FLOW WELL MONITORING DATA SHEET

Project #: 070129-5f1	Client: EKI
Sampler: SL	Start Date: 1/29/07
Well I.D.: grab-1-surface	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth:	Depth to Water 47.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: ~~YSI 556~~

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other Disposable Bailer

Flow Rate: ___ | Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1310	29.00	7.76	1736	—	1.90	-176.0	~~3~~ gal	

Did well dewater? Yes (No) — Amount actually evacuated: 3 gal
Sampling Time: 1310 — Sampling Date: 1/31/07
Sample I.D.: mw-6 grab-1-surf — Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D — Other: SVOC SOW
Equipment Blank I.D.: @ Time — Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 070129-S11	Client: EKI
Sampler: DM	Start Date: 1/29/07
Well I.D.: Grab-1 (Pump)	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth:	Depth to Water 47.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: 1000 mL/min START: 0848 Pump Depth: 52'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
0858	24.73	6.72	918	734	2.97	-162.1	10,000	50.41
0908	24.92	6.56	908	280	3.02	-152.4	20,000	50.02
0918	24.74	6.57	903	216	3.09	-146.3	30,000	50.10
0928	24.57	6.50	884	227	3.09	-131.9	40,000	50.07
0938	24.60	6.52	880	190	3.10	-134.7	50,000	50.05
0948	24.61	6.50	880	130	3.00	-132.9	60,000	49.92
0958	24.53	6.51	878	123	2.99	-132.2	70,000	49.75
1008	24.67	6.59	875	104	3.03	-140.2	80,000	49.90
1018	24.55	6.58	875	107	2.99	-139.0	90,000	49.86
1021	24.65	6.59	874	99	3.00	-140.2	93,000	49.82
1024	24.70	6.61	874	104	3.01	-141.6	96,000	49.84

Did well dewater? Yes (No) Amount actually evacuated: 100 L

Sampling Time: 1028 Sampling Date: 2/1/07

Sample I.D.: Grab-1-pump Laboratory: CAL SCIENCE

Analyzed for: TPH-G BTEX MTBE TPH-D (Other): See S.O.W.

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 070129-ST1	Client: EKI
Sampler: DM	Start Date: 01/29/07
Well I.D.: Grab-2 ~~(Surface)~~ PT	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth:	Depth to Water 53.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)* Grade	Flow Cell Type:

* PVC TOC @ 0.49 ft above grade when gauged.

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump | Disposable

Sampling Method: Dedicated Tubing | New Tubing | (Other) Bailer

Flow Rate: 2 gal/min. | Pump Depth: 58' (2" Grundfos)

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1145	20.75	7.55	2202	——	5.52	-91.8	3 gal	53.38
1200	start PAD pump							
1325	20.08	7.37	1422	>1000	8.34	-47.5	49 gal	53.36
1330	start 2" grundfos pump (start flow @ 1343)							
1348	22.15	7.09	1512	>1000	6.00	~~52.9~~ -52.9	60 gal.	53.81
1353	22.11	7.11	1456	446	5.71	-66.1	70 gal.	53.80
1358	22.08	7.10	1446	72	5.62	-65.6	80 gal.	53.62
1403	(lower flow rate to 500mL/min)							
1403	22.02	7.03	1394	116	5.05	-59.4	90 gal.	53.46
1408	22.88	6.99	1407	48	4.97	-58.4	+2500mL	53.48
1413	22.94	6.98	1410	31	4.94	-56.2	+5000mL	53.44

Did well dewater? Yes (No) | Amount actually evacuated: 3 gal

Sampling Time: 1145	1415	Sampling Date: 02/1/07	
Sample I.D.: Grab-2-Surf	Grab-2-pump	Laboratory: Cal Science	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other: (See S.O.W)	
Equipment Blank I.D.: @ Time		Duplicate I.D.:	

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET PAGE 1 of 1

Project #: 070402-ST1	Client: EKI
Sampler: CM	Start Date: 4-02-07
Well I.D.: PPGW1A	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 53.13	Depth to Water 43.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)

Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: — | Pump Depth: 53' for development

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1258	— Start Purge w/ PAD pump @ ≈ 53'							
1321	24.53	8.18	1338	>1000	6.27	24.9	4	51.29
1325	— Shut off pump to determine recharge rate, drawing down quickly							
1344	23.49	8.14	1268	>1000	3.90	18.9	5	
1345	— Stopped Purge, Moved on to next well							
1107 1233	Began	Purge	w/PAD	Pump set @	≈ 50'		DTB=54.03	43.31
1240	23.37	8.14	1266	>1000	5.41	60.1	2.5	50.50
1245	23.31	8.35	1255	>1000	7.29	39.9	3.5	
	— Well Dry, Unable to purge w/lack of recharge, Stopped Purge							51.25 TD=54.10

Did well dewater? Yes / No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET page 1 of 3

Project #: 070402-St1	Client: EKI
Sampler: St	Start Date: 4/5/07
Well I.D.: PPGW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 65.90	Depth to Water 53.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)

Sampling Method: Dedicated Tubing | New Tubing | Other ___

Flow Rate: ___ Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals or mL)	DTW
1045	— purge started w/ pad pump, pump depth ~ 64'							
1054	21.78	7.47	1593	>1000	2.37	-169.5	5	56.60
1103	21.77	7.36	1256	>1000	3.79	-142.5	10	57.05
1112	21.76	7.38	1229	>1000	4.03	-133.3	15	58.10
1121	21.82	7.30	1130	>1000	4.83	-105.2	20	58.40
1130	21.86	7.33	1100	>1000	4.99	-105.6	25	58.50
___	purge stopped		___	___			~~30~~	
1158	— purge resumed		___	___				
1204	22.11	7.30	1091	>1000	5.53	-92.1	30	57.50 Pump raised to 59'
1213	22.08	7.39	1058	>1000	5.83	-86.4	35	58.10
1223	21.85	7.27	1077	>1000	5.25	-68.3	40	58.70

Did well dewater? Yes No — Amount actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D — Other:

Equipment Blank I.D.: @ Time — Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET page 2 of 3

Project #: 070402-ST1	Client: EKI
Sampler: ST	Start Date: 4/9/07
Well I.D.: PPDW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 65.90	Depth to Water 53.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: — | Pump Depth: —

Time	Temp. (C or °F)	pH	Cond. (mS or ~~uS~~)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1231	21.90	7.20	1076	431	5.54	-54.0	45	58.90
1240	22.01	7.19	1071	345	5.63	-41.4	50	58.90
1251	22.20	7.20	1065	83	5.23	-40.4	55	58.90
1301	22.11	7.21	1065	53	5.34	-34.3	60	58.50
—	— purge stopped to switch to bladder pump —							
1326	— purge resumed w/ bladder pump. pump depth ~ 62' —							
1331	22.21	7.15	1082	>1000	5.91	-46.2	2,500	54.95
1336	22.11	7.12	1081	657	5.99	-46.1	5,000	54.75
1341	22.20	7.12	1079	428	5.93	-46.4	7,500	54.50
1346	22.15	7.11	1078	284	5.99	-45.5	10,000	54.40
1351	22.11	7.11	1077	240	6.00	-46.2	12,500	54.30

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET page 3 of 3

Project #: 070402-St1	Client: EKI
Sampler: St	Start Date: 4/5/07
Well I.D.: PPGW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 65.90	Depth to Water 53.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 500 mL/min | Pump Depth: 162'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1356	22.19	7.13	1073	172	6.09	-50.9	15,000	54.30
1401	22.19	7.13	1072	108	6.10	-55.9	17,500	54.25
1406	22.23	7.13	1070	86	6.11	-54.3	20,000	54.25
1411	22.20	7.13	1068	62	6.12	-52.6	22,500	54.20
1416	22.24	7.13	1068	48	6.17	-50.3	25,000	54.20
1421	22.17	7.13	1069	38	6.20	-50.0	27,500	54.20
							TD=66.95'	

Did well dewater? Yes (No) | Amount actually evacuated:

Sampling Time: 1425 | Sampling Date: 4/5/07

Sample I.D.: PPGW-2 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See SOW

Equipment Blank I.D.: ~~EB-1~~ @ Time ~~0910~~ | Duplicate I.D.: DUP-4

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET page 1 of 3

Project #: 070402-St1	Client: EKI
Sampler: SJ	Start Date: 4/6/07
Well I.D.: PPLW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 65.11	Depth to Water 53.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)

Sampling Method: Dedicated Tubing | New Tubing | Other ___

Flow Rate: — | Pump Depth: —

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1506	— purge started w/PAD pump @ 62'						—	
1517	22.72	7.57	1423	>1000	2.58	-191.2	5	56.23
1525	21.95	7.48	1058	>1000	3.80	-172.2	10	56.40
1535	21.86	7.44	962	>1000	3.69	-181.3	15	56.70
1544	21.85	7.37	901	573	3.80	-162.5	20	56.70
1554	21.95	7.37	876	>1000	4.45	-150.2	25	56.80
1602	21.96	7.35	867	>1000	4.69	-131.3	30	56.80
1612	21.91	7.32	872	490	4.54	-119.0	35	56.80
1623	21.66	7.34	824	>1000	5.09	-90.5	40	pump raised to 58'
1632	21.54	7.30	845	251	5.10	-85.6	45	56.70
1641	21.39	7.28	856	384	5.15	-78.9	50	pump lowered to 62'

Did well dewater? Yes No | Amount actually evacuated:

Sampling Time: | Sampling Date:

Sample I.D.: | Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D | Other:

Equipment Blank I.D.: QEBFilter @ Time 1530 | Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET page 2 of 3

Project #: 070402 Ph1	Client: EKI
Sampler: St	Start Date: 4/6/07
Well I.D.: PPBW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 65.11	Depth to Water 53.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ | Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1650	21.29	7.28	850	145	5.30	-72.5	55	56.70
1659	21.31	7.27	855	101	5.22	-68.7	60	56.70
———	purge stopped			———				
4/6/07 0812	———	purge resumed w/ Bladder pump @ 258' @ 500mL/min						
0817	20.72	7.05	816	>1000	3.47	135.9	2,500	54.00
0822	20.80	7.29	818	>1000	3.37	122.2	5,000	54.00
0827	20.82	7.34	823	836	3.24	113.6	7,500	54.03
0832	20.83	7.33	827	511	3.28	104.8	10,000	54.03
0837	20.88	7.32	833	302	3.27	97.4	12,500	54.02
0842	20.90	7.32	837	212	3.30	90.8	15,000	"
0847	20.88	7.32	838	157	3.33	84.8	17,500	"

Did well dewater? Yes No | Amount actually evacuated:

Sampling Time: | Sampling Date:

Sample I.D.: | Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D | Other:

Equipment Blank I.D.: @ Time | Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET page 3 of 3

Project #: 070402-S1	Client: EKI
Sampler: SL	Start Date: 4/6/07
Well I.D.: PPGW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 69.11	Depth to Water 53.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 500 ml/min | Pump Depth: 168'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
0852	20.90	7.32	838	~~[illegible]~~116	3.38	80.8	20,000	54.02
0857	20.83	7.34	840	87	3.45	73.7	22,500	54.02
0902	20.88	7.34	841	59	3.46	69.8	25,000	"
0907	20.85	7.32	842	47	3.49	64.6	27,500	"

Did well dewater? Yes (No) | Amount actually evacuated:

Sampling Time: 0910 | Sampling Date: 4/6/07

Sample I.D.: PPGW-3 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | (Other): See SOW

Equipment Blank I.D.: @ Time | Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET page 1 of 2

Project #: 070402-SF1	Client: EKI
Sampler: SF	Start Date: 4/4/07
Well I.D.: PPGW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 57.38	Depth to Water 47.66
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)
Sampling Method: Dedicated Tubing | New Tubing | Other ___

Flow Rate: ___ Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
0818	—	Start purge w/ PAD pump			—			
0830	20.58	7.19	2159	>1000	4.17	-10.3	5	47.86
0841	21.18	7.05	1583	>1000	5.00	-5.0	10	48.14
0851	21.08	7.01	1486	>1000	5.21	-5.0	15	48.15
0900	21.13	7.02	1306	>1000	5.35	-35.0	20	48.16
0909	21.20	6.98	1258	>1000	5.38	-34.3	25	48.16
0919	21.65	6.97	1224	638	5.45	-58.3	30	48.12
0927	21.77	6.97	1206	370	5.71	-55.0	35	48.12
0936	21.80	7.00	1190	>1000	5.56	-73.7	40	48.12
0944	21.79	7.00	1184	402	5.27	-39.6	45	48.12
0954	21.66	6.98	1176	295	5.40	-40.5	50	48.12

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET Page 2 of 2

Project #: 070402-S11	Client: EKI
Sampler: SL	Start Date: 4/4/07
Well I.D.: PPGW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 57.38	Depth to Water 47.66
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ | Pump Depth: ~55'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed ((gals) or mL)	DTW
1003	21.65	6.96	1171	162	5.23	-47.0	55	48.12
1012	21.65	6.95	1166	225	5.11	-47.5	60	48.12
____	purge stopped to switch to bladder pump							____
1046	____	bladder pump started @ ~500 mL/min						____
1051	21.70	6.97	1174	549	5.45	-18.1	2,500 mL	49.90
1056	21.69	6.94	1176	274	5.37	-46.5	5,000	47.71
~~1101~~ 1101	21.73	6.94	1174	261	5.34	-55.2	7,500	47.70
1106	21.69	6.94	1184	134	5.27	-61.6	10,000	47.70
1111	21.64	6.93	1189	78	5.27	-61.9	12,500	47.70
1116	21.62	6.93	1189	56	5.24	-61.7	15,000	47.70
1125				47				

Did well dewater? Yes (No) | Amount actually evacuated:

Sampling Time: 1125 | Sampling Date: 4/4/07

Sample I.D.: PPGW-4 | Laboratory: (Calscience)

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See SOW

Equipment Blank I.D.: @ Time | Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET

Project #: 070402-571	Client: EKI
Sampler: CM	Start Date: 4-10-07
Well I.D.: PPGW5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 55.68 (starting depth)	Depth to Water 45.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ Pump Depth: ≈54'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW	
1005	– Began Purge w/ PAD pump set @ ≈54'								
1011	21.25	7.30	990	>1000	5.55	26.1	5	46.20	
1017	21.49	7.21	975	>1000	3.54	21.5	10	46.07	
1024	21.34	7.17	973	>1000	3.68	22.4	15	46.01	
1030	21.50	7.16	966	>1000	3.53	24.3	20	45.97	surged w/pump
1036	21.52	7.17	964	>1000	3.59	22.9	25	45.94	
1042	21.50	7.19	959	>1000	3.75	22.8	30	45.97	raised pump to ≈51'
1048	21.58	7.19	961	>1000	3.87	19.4	35	45.98	
1054	21.38	7.48	954	>1000	11.15	29.7	40	45.90	
1100	21.50	7.69	951	>1000	11.01	33.7	45	45.92	
1105	21.41	7.59	952	229	11.89	38.5	50	46.05	

Did well dewater? Yes No — Amount actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D — Other:

Equipment Blank I.D.: @ Time — Duplicate I.D.:

= WELL DEVELOPMENT =

~~LOW FLOW WELL MONITORING~~ DATA SHEET PAGE 2 of 3

Project #: 070402-STI	Client: EKI
Sampler: CM	Start Date: 4-10-07
Well I.D.: PPGW5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 55.68	Depth to Water 45.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals or mL)	DTW
1111	21.64	7.18	953	87	8.11	33.5	55	45.85
1118	21.72	7.26	955	171	4.85	23.0	60	45.88
1125	21.74	7.24	955	142	4.21	21.7	65	45.87
1132	21.72	7.27	957	70	4.50	19.2	70	
—	Stopped purge to switch to bladder pump						—	—
1159	Began purge w/ bladder pump				set @ ≈ 51'		≈ 500 mL/min	—
~~1159~~ 1204	21.97	7.31	970	120	3.11	6.7	2500 mL	45.63
1209	21.85	7.27	964	122	2.82	-3.8	5000 mL	45.61
1214	21.81	7.25	963	87	2.90	-5.8	7500 mL	45.61
1219	21.81	7.25	963	80	2.97	-6.4	10,000 mL	45.61
1224	21.81	7.25	961	47	3.03	-6.1	12,500 mL	45.62

Initial purge 49'

Did well dewater? Yes / No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

= WELL DEVELOPMENT =

~~LOW FLOW WELL MONITORING~~ DATA SHEET PAGE 3 of 3

Project #: 070402-ST1	Client: EKI
Sampler: CM	Start Date: 4-10-07
Well I.D.: PPGW5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 55.68	Depth to Water 45.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAir)
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ~500 mL/min | Pump Depth: ~51'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	DTW
1229	21.95	7.25	961	46	3.18	-9.4	15,000	45.62
1234	21.91	7.26	962	30	3.14	-10.4	17,500	45.62
1239	21.93	7.26	962	29	3.09	-9.7	20,000	45.62
							TD = 57.08	

Did well dewater? Yes (No) | Amount actually evacuated:

Sampling Time: 1245 | Sampling Date: 4-10-07

Sample I.D.: PPGW5 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See S.O.W.

Equipment Blank I.D.: @ Time | Duplicate I.D.: DUP7 @ 1300

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET

Project #: 070402-ST1	Client: EKI
Sampler: CM	Start Date: 4-10-07
Well I.D.: PPGW6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 71.90 (starting depth	Depth to Water 63.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)

Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW	
1323	— Began Purge w/ PAD pump set @ ≈ 71'								
1329	22.42	7.45	994	>1000	7.45	112.4	5	66.50	
1327	21.94	7.35	989	>1000	6.64	64.2	10	66.39	
1343	21.69	7.34	987	209	6.25	56.0	15	66.10	raised pump to ≈ 68'
1349	21.73	7.92	968	>1000	9.90	43.1	20	66.22	
1400	21.66	7.39	985	120	6.92	47.3	25	66.25	
1408	21.65	7.38	980	57	7.00	48.4	30	66.19	
1417	21.68	7.37	981	101	6.86	48.8	35	66.23	
1424	21.61	7.34	983	66	6.34	50.7	40	66.20	lowered pump to ≈ 71'
1432	21.66	7.32	984	124	6.46	49.1	45	66.17	
1440	21.63	7.33	982	71	6.82	49.4	50	66.19	

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET

Project #: 070402-ST1	Client: EKI
Sampler: CM	Start Date: 4-10-07
Well I.D.: PPGW6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 71.90 (stated depth)	Depth to Water 63.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump — Peristaltic Pump — Bladder Pump (PAD)

Sampling Method: Dedicated Tubing — New Tubing — Other ___

Flow Rate: ≈ 500 mL/min

Pump Depth: ≈ 68'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1455	— Began Purge w/ bladder pump set @ ≈ 66' @ ≈ 500 mL/min							
1500	22.46	7.36	936	160	10.58	54.0	2500	64.85
1505	22.16	7.38	936	122	10.63	55.9	5000	64.94
1510	21.92	7.45	936	138	10.38	59.9	7500	64.90
1515	21.92	7.52	936	129	10.28	52.7	10,000	65.01
1520	21.89	7.43	937	65	10.35	35.1	12,500	65.05
1525	21.90	7.36	936	35	10.25	40.8	15,000	65.07
1530	21.88	7.34	936	43	10.30	42.8	17,500	65.07
1535	21.93	7.32	936	30	10.19	44.5	20,000	65.08

bailed pump to ≈ 68'

TD = 73.50

Did well dewater? Yes (No) — Amount actually evacuated: ___

Sampling Time: 1540 — Sampling Date: 4-10-07

Sample I.D.: PPGW6 — Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D — Other: See SOW

Equipment Blank I.D.: @ Time — Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET page 1 of 3

Project #: 070402-SH	Client: EKI
Sampler: SH	Start Date: 4/12/07
Well I.D.: PPGW-7A	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 60.70	Depth to Water 47.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals or mL)	DTW
1245	start	purge	w/PAO pump				pump depth 2 58'	
1256	23.45	7.32	1202	>1000	4.62	-126.1	5	47.70
1307	23.62	7.38	1248	>1000	3.90	-167.8	10	47.73
1316	22.23	7.28	1145	>1000	4.75	-132.1	15	47.73
1325	22.93	7.62	1107	>1000	6.30	-46.7	20	pump raised to 2 54'
1334	22.43	7.25	1101	>1000	5.17	-82.2	25	47.75
1344	22.15	7.26	1114	>1000	5.44	-97.1	30	47.75
1353	22.18	7.25	1113	>1000	5.31	-98.6	35	47.75 pump lowered to 251'
1404	22.16	7.26	1108	778	5.43	-98.6	40	47.76
1415	22.11	7.30	1109	262	5.60	-107	45	47.76
1426	22.50	7.30	1106	93	5.40	-117.5	50	47.76

Did well dewater? Yes No — Amount actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D — Other:

Equipment Blank I.D.: @ Time — Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET Page 2 of 3

Project #: 070402-S1	Client: EKI
Sampler: SL	Start Date: 7/9/07
Well I.D.: PPGW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 60.70	Depth to Water 47.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder) Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ___
Flow Rate: 500 mL/min | Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1445	— Switch to bladder pump, purged @ 500 mL/min							pump depth ~55'
1455	22.13	7.39	1101	>1000	6.65	-105.2	2,500	47.68
1500	22.08	7.33	1098	>1000	5.80	-112.4	5,000	"
1505	21.99	7.31	1099	>1000	5.54	-116.1	7,500	"
1510	22.04	7.31	1104	>1000	5.35	-129.3	10,000	"
1515	22.03	7.30	1104	791	5.03	-134.9	12,500	"
1520	22.05	7.28	1102	656	4.91	-137.0	15,000	"
1525	21.94	7.26	1100	441	4.71	-136.6	17,500	"
1530	21.88	7.24	1100	373	4.68	-136.3	20,000	"
1535	21.92	7.24	1099	398	4.62	-136.8	22,500	"
1540	21.87	7.23	1099	299	4.53	-137.4	25,000	"

Did well dewater? Yes No — Amount actually evacuated:
Sampling Time: — Sampling Date:
Sample I.D.: — Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D — Other:
Equipment Blank I.D.: @ Time — Duplicate I.D.:

= WELL DEVELOPMENT =

~~LOW FLOW WELL MONITORING~~ DATA SHEET page 3 of 3

Project #: 070402-S41	Client: EKI
Sampler: SA	Start Date: 4/4/07
Well I.D.: PP6W-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 60.70	Depth to Water 47.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 500 mL/min | Pump Depth: ____

Time	Temp. ((°C) or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	DTW
1545	21.93	7.23	1100	231	4.55	-137.8	27,500	47.70
1550	21.95	7.21	1100	174	4.52	-137.3	30,000	47.70
1555	21.89	7.21	1099	170	4.53	-136.1	32,500	"
1600	21.84	7.20	1099	141	4.56	-135.5	35,000	"
1605	21.79	7.19	1099	108	4.42	-135.7	37,500	"
1610	21.72	7.18	1098	87	4.47	-134.7	90,000	"
1615				63				

Did well dewater? Yes (No) | Amount actually evacuated:

Sampling Time: 1615 | Sampling Date: 4/4/07

Sample I.D.: PP6W-7 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D (Other): See SOW

Equipment Blank I.D.: @ Time | Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET page 1 of 2

Project #: 070402-3T1	Client: EKI
Sampler: SL	Start Date: 4/5/07
Well I.D.: PPBW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 62.10	Depth to Water 49.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals or mL)	DTW
0740	— start purge w/ PAD pump —						pump depth ~ 60'	
0750	20.31	7.24	1277	>1000	3.53	26.4	5	50.40
0759	20.73	7.11	1100	>1000	3.93	-34.3	10	50.30
0807	20.75	7.05	1044	>1000	4.37	-12.3	15	50.30
0816	20.69	7.02	1030	>1000	4.18	-6.1	20	50.30 pump raised to 53'
0824	20.78	7.00	1018	730	4.01	2.2	25	50.32
0832	20.66	6.99	1008	874	3.76	10.2	30	50.30
0840	20.81	6.99	1003	918	3.75	12.9	35	50.27 pump lowered to 60'-
0849	20.62	7.00	1004	>1000	4.14	4.1	40	50.27
0858	20.63	6.99	1003	>1000	4.38	-2.3	45	50.25
0906	20.83	6.99	1000	251	4.29	-1.0	50	50.25

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET page 2 of 2

Project #: 070402-S1	Client: ELI
Sampler: SJ	Start Date: 4/5/07
Well I.D.: PPBW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 62.10	Depth to Water 49.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | ~~Bladder~~ Pump (PAID)

Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ | Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals or mL)	DTW
0914	20.84	6.99	997	147	4.13	3.8	55	50.25
0923	20.89	6.98	995	208	4.20	6.8	60	"
____	purge stopped to switch to bladder pump							
0945	- begin purge w/ bladder pump - pump depth ~56'							
0950	20.97	6.99	1005	>1000	3.76	-14.2	2,500	50.15
0955	21.05	6.98	1003	263	3.45	-16.5	5,000	50.15
1000	21.05	6.98	1002	209	3.50	-15.5	7,500	"
1005	21.14	6.97	1002	83	3.35	-17.8	10,000	"
1010	21.16	6.97	1002	45	3.24	-21.9	12,500	"
1015	21.15	6.97	1003	40	3.30	-22.9	15,000	"
							TD = 62.15	

Did well dewater? Yes (No)	Amount actually evacuated:
Sampling Time: 1020	Sampling Date: 4/5/07
Sample I.D.: PPBW-8	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SOW
Equipment Blank I.D.: EB-1 @ Time 0910	Duplicate I.D.: ~~Dup~~

= WELL DEVELOPMENT =

~~LOW FLOW WELL MONITORING~~ DATA SHEET

Project #: 070402-ST1	Client: EKI
Sampler: CM	Start Date: 4-10-07
Well I.D.: PPGW9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 73.15, starting depth	Depth to Water 66.08
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 6.5.6

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)

Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ | Pump Depth: ≈72' for development

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW	
1406	Began Purge w/PAD pump				pump @ ≈69'				
1431	21.54	8.12	1051	>1000	8.16	54.2	5	67.31	
1442	21.27	7.93	1013	>1000	8.41	49.4	10	69.65	
1453	21.21	8.02	1012	278	7.75	41.3	15	69.61	
1502	21.04	7.27	1013	170	3.78	41.1	20	69.05	moved pump to 75' surged w/pump
1511	21.17	7.24	1010	386	3.39	38.3	25	67.07	
1517	21.47	7.18	999	>1000	3.00	35.2	30	68.65	
1525	21.33	7.20	1016	>1000	3.99	28.7	35	69.01	
1531	21.49	7.15	1006	>1000	3.24	31.2	40	68.69	pump @ 72
1539	20.96	7.18	1016	195	3.30	37.8	45	68.25	
1545	21.13	7.14	1016	14	3.09	35.7	50	68.10	

Did well dewater? Yes No | Amount actually evacuated: TD = 76.25

Sampling Time: | Sampling Date:

Sample I.D.: | Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D | Other:

Equipment Blank I.D.: @ Time | Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET

Project #: 070402-ST1	Client: EKI
Sampler: CM	Start Date: 1-10-07
Well I.D.: PPGW9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 76.10 (after development)	Depth to Water 66.14
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump; Peristaltic Pump; (Bladder Pump)
Sampling Method: Dedicated Tubing; (New Tubing); Other ____

Flow Rate: ≈ 500 mL/min

Pump Depth: ≈ 70'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1-10-07 0804	— Began purge w/ bladder pump							
0809	20.67	7.15	1054	121	2.68	94.1	2500	66.20
0814	20.79	7.15	1052	145	3.71	77.0	5000	66.18
0819	20.83	7.16	1049	201	4.73	69.8	7500	66.19
0824	20.87	7.15	1044	177	5.16	65.9	10,000	66.20
0829	20.90	7.15	1034	134	5.29	65.1	12,500	66.20
0834	20.91	7.15	1037	103	4.85	62.2	15,000	66.22
0839	21.02	7.16	1032	93	5.47	60.8	17,500	66.20
0844	20.98	7.18	1031	86	5.76	59.2	20,000	66.20
0849	20.95	7.17	1029	99	5.52	57.4	22,500	66.22
0854	21.03	7.17	1025	92	5.36	56.6	25,000	66.22

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ G DATA SHEET

Project #: 070402-511	Client: EKI
Sampler: CM	Start Date: 4-10-07
Well I.D.: PPGW9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 76.10 (after deployment)	Depth to Water 66.14
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump

Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ≈ 500 mL/min

Pump Depth: ≈ 70'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
0859	21.01	7.16	1025	78	5.74	55.8	27,500	66.23
0904	21.05	7.19	1024	59	6.13	55.2	30,000	66.23
0909	21.09	7.18	1024	46	6.12	54.5	32,500	66.23
0914	21.08	7.18	1020	38	6.05	54.2	35,000	66.23
0919	21.13	7.19	1019	27	6.17	54.7	37,500	66.23

Did well dewater? Yes (No) | Amount actually evacuated:

Sampling Time: 0920 | Sampling Date: 4-10-07

Sample I.D.: PPGW9 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See S.O.W.

Equipment Blank I.D.: @ Time | Duplicate I.D.:

= WELL DEVELOPMENT =

~~LOW FLOW WELL MONITORING~~ DATA SHEET PAGE 1 of 3

Project #: 070402-ST1	Client: EKI
Sampler: CM	Start Date: 4-11-07
Well I.D.: PPGW10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 78.20 (starting depth)	Depth to Water 67.87
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals or mL)	DTW	
0755	-Began purge w/PAD			pump set @ ≈ 77.5'				~~76.45~~	
0805	20.38	7.29	1002	>1000	7.40	126.9	5	76.45	
0817	20.59	8.11	968	>1000	7.78	82.0	10	77.01	surge w/pump
0833	20.98	7.53	981	>1000	6.27	62.8	15	76.09	
0846	21.15	7.40	991	104	3.63	36.1	20	76.30	
0858	21.47	7.40	991	47	3.85	27.0	25	76.97	surged w/pump
0911	21.43	7.40	984	>1000	4.13	23.8	30	76.33	raised pump to ≈ 77
0923	21.39	7.43	990	13	4.24	22.7	35	76.35	
0935	21.67	7.39	991	8	4.17	23.5	40	76.41	lowered pump to ≈ 78
0947	21.87	7.37	995	26	4.04	23.3	45	76.49	
0958	21.74	7.30	993	7	4.09	26.9	50	76.39	

Did well dewater? Yes No Amount actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET

Project #: 070402-6T1	Client: EKI
Sampler: CM	Start Date: 4-11-07
Well I.D.: PPGW10	Well Diameter: ② 3 4 6 8 ____
Total Well Depth: 78.20	Depth to Water 67.87
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)
Sampling Method: Dedicated Tubing | New (Tubing) | Other ____

Flow Rate: ____ Pump Depth: ____

Time	Temp. (C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1000	– Stopped purge w/ PAD pump to allow recharge,							
1013	– Restarted purge w/ PAD pump set @ ≈ 71'							68.52
1026	21.81	7.32	1004	>1000	3.44	20.5	55	68.70
1038	21.90	7.29	994	>1000	3.22	9.3	60	72.24
1050	21.87	7.31	989	>1000	3.31	10.5	65	73.01
1101	22.02	7.32	1001	138	3.46	6.6	70	73.11
	– Stopped purge to switch to bladder pump							
1120	– Began purge w/ bladder pump set @ ≈ 73', 500 mL/min							68.13
1125	21.52	7.22	1010	691	3.25	12.5	2500	67.95
1130	21.36	7.29	1203	295	4.41	17.3	5000	67.92
1135	21.31	7.28	1254	171	4.68	22.6	7500	67.94

lower pump to ≈ 74' lowered to ≈ 71'

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET

Project #: 070402-511	Client: EKI
Sampler: CM	Start Date: 4-11-07
Well I.D.: PPGW10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 78.20	Depth to Water 67.87
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump | (MD)

Sampling Method: Dedicated Tubing | New (Tubing) | Other ____

Flow Rate: ____ | Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1140	21.30	7.35	1224	62	4.64	17.2	10,000	67.95
1145	21.26	7.29	1160	41	4.88	22.3	12,500	67.96
1150	21.33	7.28	1108	30	4.91	24.5	15,000	67.94
1155	21.32	7.27	1095	16	4.83	24.5	17,500	67.94
							TD=79.70	

Did well dewater? Yes (No) | Amount actually evacuated:

Sampling Time: 1158 | Sampling Date: 4-11-07

Sample I.D.: PPGW10 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: (See S.O.W.)

Equipment Blank I.D.: @ Time | Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET

PAGE 1 of 3

Project #: 070402-ST1	Client: EKI
Sampler: CM	Start Date: 4-09-07
Well I.D.: PPGW11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: ~~66.47~~ 62.27	Depth to Water ~~57.85~~ 53.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: ~~PVC~~ CM Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)
Sampling Method: Dedicated Tubing | New Tubing | Other ___

Flow Rate: ___ Pump Depth: start ≈ 66'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
0918	— Start Purge w/ PAD pump —							pump @ ~~66~~
0926	20.53	7.45	1722	>1000	3.06	126.0	5	~~59.50~~ 55.30
0934	21.18	7.37	1369	>1000	3.96	105.4	10	~~58.90~~ 54.70
0942	21.19	7.24	1105	>1000	4.62	78.7	15	~~58.57~~ 54.37
0948	21.21	7.21	1127	>1000	4.73	74.6	20	~~58.65~~ 54.25
0955	21.04	7.19	1101	>1000	4.86	70.3	25	~~58.49~~ 54.21
1001	20.88	7.17	1085	>1000	5.16	70.8	30	~~58.57~~ 54.37 raise pump to 59
1007	21.06	7.19	1077	>1000	5.37	72.6	35	~~58.40~~ 54.20
1014	20.93	7.21	1065	213	6.07	72.4	40	~~58.19~~ 53.99 lowered pump to ≈ 65'
1021	21.09	7.22	1061	101	5.93	71.7	45	~~58.15~~ 53.95
1026	21.10	7.20	1051	440	5.02	69.2	50	~~58.09~~ 53.89

(Flow from Grade w/ PVC)

Did well dewater? Yes No | Amount actually evacuated:

Sampling Time: | Sampling Date:

Sample I.D.: | Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D | Other:

Equipment Blank I.D.: @ Time | Duplicate I.D.:

= WELL DEVELOPMENT =

~~LOW FLOW WELL MONITORING~~ DATA SHEET PAGE 2 of 3

Project #: 070402-ST1	Client: EKI
Sampler: CM	Start Date: 4-09-07
Well I.D.: PPGW11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 62.27	Depth to Water 53.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump) | (PAD)
Sampling Method: Dedicated Tubing | New Tubing | Other ___

Flow Rate: — ± 500 mL/min | Pump Depth: ± 65' for development

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1033	21.08	7.21	1052	153	5.14	69.2	55	53.85
1038	20.95	7.21	1049	86	5.08	70.2	60	53.98
1045	20.96	7.20	1045	53	5.39	70.8	65	53.95
1051	21.00	7.20	1040	65	5.45	71.2	70	53.99
—	Stopped purge to switch to bladder pump						—	
1126	— Resumed purge w/ bladder pump @ ± 500 mL/min @ 59'							
1131	21.36	7.22	1078	71000	4.98	66.9	2500 mL	53.80
1136	21.29	7.19	1057	555	4.99	65.1	5000 mL	53.82
1141	21.32	7.17	1047	243	5.05	65.0	7500 mL	53.80
1146	21.37	7.16	1037	135	5.09	65.1	10,000 mL	53.80
1151	21.37	7.16	1037	100	5.19	64.8	12,500 mL	53.81

Did well dewater? Yes / No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

= WELL DEVELOPMENT =

~~LOW FLOW WELL MONITORING~~ DATA SHEET PAGE 3 of 3

Project #: 070402-ST1	Client: EISI
Sampler: CM	Start Date: 4-09-07
Well I.D.: PPGW11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 62.27	Depth to Water 53.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: ≈500 mL/min

Pump Depth: ≈59' for sampling

Time	Temp. ((°C) or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	DTW
1156	21.37	7.17	1038	54	5.17	63.9	15,000 mL	53.81
1201	21.31	7.17	1039	46	5.14	63.4	17,500 mL	53.81
1206	21.36	7.16	1034	47	5.11	63.3	20,000 mL	53.81
1211	21.32	7.16	1039	36	5.15	64.1	22,500 mL	53.81
							TD=65.00	

Did well dewater? Yes (No) Amount actually evacuated:

Sampling Time: 1215 Sampling Date: 4-09-07

Sample I.D.: PPGW11 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D (Other): See S.O.W.

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP-6 @ 1245

WELL DEVELOPMENT

[redacted] DATA SHEET page 1 of 3

Project #: 070402-St1	Client: EKI
Sampler: SL	Start Date: 4/6/07
Well I.D.: PPBW-12	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 62.40	Depth to Water ~~62.1~~ 54.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: — | Pump Depth: —

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals or mL)	DTW
1009	—	purge	started	w/PAD	pump @ ~ 61'			
1019	20.17	7.52	1936	>1000	3.18	96.7	5	54.85
1029	20.80	7.41	1474	>1000	4.55	66.4	10	54.80
1039	20.76	7.37	1245	>1000	4.81	51.8	15	54.80
1049	20.77	7.25	1156	>1000	4.75	43.8	20	54.80 pump raised to ~56'
1058	20.73	7.21	1106	>1000	4.73	38.6	25	54.80
1108	20.72	7.20	1091	>1000	5.50	33.2	30	54.79
1117	20.72	7.18	1036	>1000	5.33	29.8	35	54.80
1127	20.76	7.13	1012	701	5.13	25.2	40	" pump lowered to ~61'
1136	20.90	7.11	997	>1000	5.40	20.4	45	54.80
1146	20.92	7.18	989	>1000	5.15	15.6	50	"

Did well dewater? Yes No | Amount actually evacuated:

Sampling Time: | Sampling Date:

Sample I.D.: | Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D | Other:

Equipment Blank I.D.: @ Time | Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET

Project #: 070402-511	Client: EKI
Sampler: ST	Start Date: 4/6/07
Well I.D.: PPGW-12	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 62.40	Depth to Water 54.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)

Sampling Method: Dedicated Tubing | New Tubing | Other ___

Flow Rate: — | Pump Depth: —

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1157	20.84	7.21	985	351	5.38	11.2	55	54.80
1207	20.78	7.14	981	175	5.30	6.8	60	"
1217	20.92	7.12	979	153	5.21	4.8	65	"
1227	20.99	7.19	978	125	5.21	-1.7	70	"
1238	21.08	7.16	975	93	5.18	-5.9	75	"
—	purge stopped to switch to bladder pump						—	
1300	purge started w/ Bladder pump @ ~ 59'						—	
1305	21.46	7.22	974	541	5.15	-10.0	2,500	54.02
1310	21.42	7.09	975	300	4.69	-13.4	5,000	"
1315	21.40	7.08	972	208	5.22	-16.1	7,500	"
1320	21.44	7.09	973	125	5.33	-15.7	10,000	54.00

Did well dewater? Yes No — Amount actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D — Other:

Equipment Blank I.D.: @ Time — Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING DATA~~ SHEET page 3 of 3

Project #: 070402-01	Client: EKI
Sampler: SJ	Start Date: 4/6/07
Well I.D.: PPBW-12	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 62.40	Depth to Water 54.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder) Pump
Sampling Method: Dedicated Tubing | New (Tubing) | Other ____

Flow Rate: 500 mL/min | Pump Depth: 259'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	DTW
1325	21.38	7.13	913	89	5.37	-17.2	12,500	53.98
1330	21.37	7.13	913	61	5.37	-19.2	15,000	"
1335	21.35	7.12	913	43	5.37	-18.4	17,500	"

Did well dewater? Yes (No) | Amount actually evacuated:

Sampling Time: 1340 | Sampling Date: 4/6/07

Sample I.D.: PPBW-12 | Laboratory: (Calscience)

Analyzed for: TPH-G BTEX MTBE TPH-D | (Other) See COW

Equipment Blank I.D.: @ Time | Duplicate I.D.: DUP-5

WELL DEVELOPMENT

LOW FLOW WELL MONITORING DATA SHEET

Project #: 070402-511	Client: EKI
Sampler: CM	Start Date: 4-02-07
Well I.D.: PPGW1 ~~8~~ cm	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: ~~57~~ 57.02 (stamped)	Depth to Water 44.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW	
1302	— Begin purge w/PAD pump set @ 46', surged w/pump.								
1314	22.74	7.78	2189	>1000	4.39	34.7	5	44.80	lowered pump to ~47' surged
1323	22.81	7.71	1671	>1000	3.99	9.1	10	44.81	
1330	22.56	7.62	1759	>1000	5.37	20.4	15	44.86	lowered pump to ~51'
1337	22.55	7.58	1644	>1000	5.22	20.3	20	45.00	
1344	22.49	7.59	1642	>1000	5.01	14.5	25	45.01	
1351	22.26	7.56	1721	>1000	5.51	16.4	30	45.01	
1358	22.23	7.52	1777	754	5.75	22.0	35	45.01	raised pump to ~48' surged
1404	22.48	7.62	1708	>1000	6.01	26.0	40	45.03	
1410	22.22	7.54	1763	>1000	6.12	29.8	45	45.03	
1417	22.21	7.51	1792	472	5.76	32.4	50	45.01	

Did well dewater? Yes No — Amount actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D — Other:

Equipment Blank I.D.: @ Time — Duplicate I.D.:

WELL DEVELOPMENT

~~LOW-FLOW WELL MONITORING~~ DATA SHEET PAGE 2 of 3

Project #: 070402-ST1	Client: EKI
Sampler: CM	Start Date: 4-12-07
Well I.D.: PPGW1 Bm	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 57.02	Depth to Water 44.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAD)
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1424	22.35	7.52	1786	691	5.85	32.0	55	45.02
1431	22.12	7.52	1795	272	5.91	31.7	60	45.02
1437	22.07	7.51	1799	108	6.02	32.5	65	45.01
	Stopped	purge	to switch	to bladder	pump			
1455	Began	purge	w/ bladder	pump	set @ 7.51'	and	500 mL/min	
1500	22.43	7.48	1751	71000	5.60	23.9	2500 mL	44.49
1505	22.43	7.50	1819	595	6.02	23.9	5000 mL	44.51
1510	22.44	7.50	1842	259	6.09	24.4	7500 mL	44.51
1515	22.37	7.51	1823	107	5.99	26.0	10,000 mL	44.51
1520	22.37	7.52	1841	56	5.98	25.2	12,500 mL	44.51
1525	22.39	7.52	1856	37	6.06	24.7	15,000 mL	44.51

lowered pump to ~56'

Did well dewater? Yes No Amount actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: ~~QCEBFilter-8~~ @ Time Duplicate I.D.: DUP 8

QCEBFilter-8

= WELL DEVELOPMENT =

~~LOW FLOW~~ WELL MONITORING DATA SHEET PAGE 3 of 3

Project #: 070402-ST1	Client: EKI
Sampler: CM	Start Date: 4-11-07
Well I.D.: PPGW1 ~~8~~ 8cm	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 57.07	Depth to Water 44.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC ~~Grade~~	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (PAC)
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ | Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1530	22.37	7.52	1875	35	6.01	23.6	17,500	44.51
1535	22.34	7.52	1891	24	6.05	23.4	20,000	44.51
							TD = 57.15	

Did well dewater? Yes (No) | Amount actually evacuated:

Sampling Time: 1540 | Sampling Date: 4-11-07

Sample I.D.: PPGW1 ~~8~~ 8cm | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See SOW.

Equipment Blank I.D.: @ Time | Duplicate I.D.: DUP8 @ 1545

QCEBFilter-8 @1538

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ G DATA SHEET

Project #: 070402-SC1	Client: EKI
Sampler: CM	Start Date: 4-12-07
Well I.D.: PPGW11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 65.00	Depth to Water 53.77
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder) Pump
Sampling Method: Dedicated Tubing | (New) Tubing | Other ____

Flow Rate: ≈ 500 mL/min | Pump Depth: ≈ 59.5'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	DTW
0805	— Began purge w/ bladder pump set @ ≈ 59.5'							
0810	20.65	7.10	1013	57	6.79	200.4	2500	53.79
0815	20.77	7.13	1015	61	6.11	189.7	5000	53.80
0820	20.69	7.13	1013	48	6.42	179.5	7500	53.80
0825	20.87	7.12	1012	49	6.73	171.4	10,000	53.80
0830	20.82	7.10	1013	64	6.89	165.6	12,500	53.80
0835	20.92	7.14	1008	47	6.63	156.1	15,000	53.80
0840	20.99	7.13	1010	48	6.52	148.2	17,500	53.80
0845	20.92	7.15	1012	39	6.69	142.9	20,000	53.80
— Sample Not Submitted to Lab								

Did well dewater? Yes (No) | Amount actually evacuated: 20,000 mL

Sampling Time: 0848 | Sampling Date: 4-12-07

Sample I.D.: PPGW11 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: (VOC's)

Equipment Blank I.D.: @ Time | Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET

Project #: 070402-571	Client: EKI
Sampler: CN	Start Date: 4-12-07
Well I.D.: PPGW13	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 57.15	Depth to Water 44.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump — Peristaltic Pump — Bladder Pump
Sampling Method: Dedicated Tubing — New Tubing — Other ____

Flow Rate: ≈ 500 mL/min — Pump Depth: ≈ 50.5'

Time	Temp. (C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
0918	— Began Purge w/ bladder pump set @ ≈ 50.5'							
0923	21.82	7.55	1716	332	3.73	49.3	2500	44.46
0928	21.85	7.56	1744	148	3.89	38.8	5000	44.43
0933	21.96	7.55	1766	29	4.56	35.8	7500	44.45
0938	21.85	7.54	1775	21	4.94	34.6	10,000	44.45
0943	21.88	7.53	1776	14	5.11	34.9	12,500	44.45
0948	21.87	7.51	1773	11	5.25	33.9	15,000	44.45
0953	21.83	7.50	1769	12	5.38	33.5	17,500	44.45
0958	21.81	7.50	1772	8	5.45	32.7	20,000	44.45
1003	21.84	7.49	1769	7	5.55	33.9	22,500	44.45
—	SAMPLE NOT Submitted to Lab						—	

Did well dewater? Yes (No) — Amount actually evacuated: 22,500

Sampling Time: 1005 — Sampling Date: 4-12-07

Sample I.D.: PPGW13 — Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D — Other: VOCs

Equipment Blank I.D.: @ Time — Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET

PAGE 1 OF 2

Project #: 070402-EK1	Client: EKI
Sampler: CM	Start Date: 4-12-07
Well I.D.: PPGW7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 60.70	Depth to Water 47.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: ≈ 500 mL/min | Pump Depth: ≈ 54'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1035	Began purge w/bladder pump set @ ≈ 54'							
1040	21.16	7.24	1027	1000	5.80	50.8	2500	47.71
1045	21.19	7.23	1028	923	5.53	57.9	5000	47.71
1050	21.26	7.22	1029	519	5.70	63.9	7500	47.71
1055	21.26	7.23	1024	315	5.81	66.0	10,000	47.71
1100	21.30	7.22	1030	220	5.72	69.4	12.500	47.71
1105	21.32	7.22	1029	201	5.61	71.4	15,000	47.70
1110	21.40	7.23	1030	148	5.73	76.2	17.500	47.70
1115	21.34	7.24	1027	155	5.79	76.0	20,000	47.70
1120	21.38	7.24	1030	103	6.02	77.2	22,500	47.70
1125	21.34	7.24	1030	105	6.19	77.0	25,000	47.70

Did well dewater? Yes (No)	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

WELL DEVELOPMENT

~~LOW FLOW WELL MONITORING~~ DATA SHEET

Project #: 070402-STI	Client: EKI
Sampler: CM	Start Date: 4-12-07
Well I.D.: PPGW7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 60.70	Depth to Water 47.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump

Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ~500 mL/min

Pump Depth: ~54'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1130	21.33	7.24	1029	78	6.35	76.8	27,500	47.70
1135	21.37	7.24	1029	74	6.19	77.1	30,000	47.70
1140	21.35	7.23	1030	63	6.25	77.1	32,500	47.70
—	Sample Not Submitted to Lab							

Did well dewater? Yes (No) — Amount actually evacuated: 32,500 mL

Sampling Time: 1145 — Sampling Date: 4-12-07

Sample I.D.: PPGW7 — Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D — Other: VOCs

Equipment Blank I.D.: @ Time — Duplicate I.D.: DUP9 @1200

ATTACHMENT C

Analytical Laboratory Reports for Grab Groundwater Samples (Total Chromium, Hexavalent Chromium, and 1,4-Dioxane)